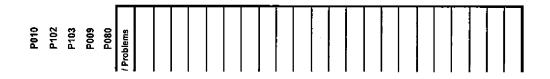
## SHIFT TRI-MER / VIRON SCRUBBER READINGS

Week of:	6/1/2015																	RC #1
				Viro	n PH		Tri-mer Pl	1	Trim	er Pressure	е Огор	Tri	mer Flow R	ates		heck Salcin		RC #2 RC #3
				Viron #2	Viron #3	Tank 1	Tank 2	Tank 3	Stage1	Stage 2	Stage 3	Stage 1	Stage 2	Stage 3	R	outed	i to	RC #4
				Range	Range	Range	Range	Range	Range	Range	Range	Range	Range	Range		Trime	er	RC #5
				(6-11)	(6-11)	(10-13)	(10-13)	(10-13)	0"-1.5"	1"-4"	3"-6"	50 MIN	50 MIN	50 MIN	1	2 3	4 5	Comments
	Shift	Oper	Time		-													
Monday	Night	RS	1/05	Nop	10.33	10.37	11.06	11:05		2011	3.04	141	104	93	X			i i
WOW.	Day	Dec	11Am	NOP	8.2	10.17	10.78	11.18	113	2.21	3.03	///	103	92	<b>'</b>			
6/1/2015	Afternoon	SHIL	8m	NOD	9.1	10.7	11.2	11.3	15	1.2	302	17.1	103	9.7	$\hat{\mathbf{x}}$			
Tuesday	Night	(4/-	WPM	NOP	6.8	10.6	11.5	11.10	نَّ	2.3	3.0	100	100	93	X		$\prod$	
	Day	Ke	BAM	NOP	7.7	10.24	10.56	16.87	14	2.26	3,07	111	104	92	X			
6/2/2015	Afternoon	SAKL	9 AM	acry	94	10,9	11,4	107		7.3	3.1	111	103	92	X			
Wednesday	Night	<u> </u>	11/22	10/p	8.0	10'd	11.6	كلأ	119	3.7	3.0	(00	100	93	X		Ш	
		<u> 95-</u>	II AM	NOP	10:2	10.9	10,6	10,0	1	1.9	3.8	109	104	93	X	$\perp$	Ш	·
6/3/2015	Afternoon	SHILL	9 M	8,4	9.2	10.7	11.5	11.7	1.2	1.8	3.7	///_	104	93	X		Ш	<u> </u>
Thursday	Night	ČG-	1110-	8.2	10.0	00	07	10.39	جيل	2,53	3.28	١١٥	103	93	X		Ш	
	Day	DA.	8.50	<i>},!</i> ,	7.8	10.6	10,9	1115	384	2,30	3.13	10	/03	93	x		Ľ	
6/4/2015	Afternoon	gran	SIM	NOT	8.7	1083	11.68	10.95	1.02	2.27	3-06	111	103	97	Ø		Ш	
Friday	Night	/ DA	44	8,(	8,4	10.7	10.8	10,6	101	2.140	383	ill	104		X	$\perp$	Ш	
	Day	_ <b>⊅</b> ^	Þρ	80	110	10.4	11.5	[[.0`	1:02		0.97	<u>)                                    </u>	103	93	<b>×</b>	$\perp$	Щ.	
6/5/2015	Afternoon	Ri	7lm	But	18.5	10.5	11.5	11.48		2.04	7	711	103	93	X	$\perp$	Ш	
Saturday	Night	SHILL	2.04	r g o	8.1.	108	11.1	11,4	<b>₽</b>	<u> 2,5</u>	3_	[]]	104	93	X	$\perp$	$\bot\!\!\!\!\bot$	
	Day	DA-	Boo	8,1	7,4	10.6	10.9	10.8	10	2,3	3.02	l	103	93	X		$\bot\!\!\!\bot$	
6/6/2015	Afternoon	(he	Sim	9,3	801	1059	10-81	10.85	3,3	1.96	3,08	$\mathcal{U}$	104	93	X.	$\perp$	$\bot\!\!\!\!\bot$	
Sunday	Night	SHIL	DAY	8,0	8.2	10,6	11,4	10.7	13	1,6	3.2	111	104	93	X	$\perp$	$\bot \bot$	<b></b>
0.77004	Day	-DA	10 1	<u> </u>	7.9	10.0	143	10.9	.14	1.2	3.08	110	103		X	_ _	$\bot \bot$	<b></b>
6/7/2015	Afternoon	gu	81m	800	813	10.2	11.68	10.73	.81	3.6	3.15	110	103	2.3	<b>X</b>			

Any condition outside of the prescribed parameters needs to be reported via voice mail to Ext. 2568 with an email followup to Tim Anglin, Group Leaders, and Superintendents ASAP \*\*\* All Equipment operation outside of parameters must be repaired as soon as possible Mark section NOP if equipment is Not Operating



# SOUTH SIDE DAILY TITLE V READING Bldg. 9 & 27

Week of: 6/1/2015

				PK Blender (P099) Building 9					Sep. (P105) ing 27	
			Baghouse Pressure Drop 3"-5" H2O	Scrubber Pressure Drop  > >/= 2" H2Q	Scrubber Water Flow Y/N	Visible Stack Emissions Y/N	Visible Stack Emissions Y/N	Baghouse DP 1"-4" H2O	Visible Stack Emissions Y/N	Action Taken
	Oper	Time	$\Big)$				· · · · · · · · · · · · · · · · · · ·			
Monday	PS	11:55	2	206	200	NOP	2	N = P	NOP	
Tuesday	(J.().	∞;jj	Not	POP	100A	900	72	NOP	POW.	
Wednesday	66-	Cayl	Nos	+2:35	V	И	2	NOP	٩٥٥١	
Thursday	٥٦	llon	4011	12,23	$\sqrt{}$	N	N	2001	NOP	
Friday	DA	3 Å	Not	72.26	<u> </u>	N	H	404	NOP	
Saturday	SHILL	2:00/1	NOP	62,25	yes	MO_	No.	NOP	NOD	
Sunday	SHILL	3,001h	4,9	2,3	VES	NO	NO	NOD	NOA	

## SOUTH SIDE DAILY TITLE V READING BLDG. 31

Week of: 6/1/2015

			F2 Scrubber (P024 & P026)	F1 Scrubber (P010 &P028)	Tri-mer Stack (P010 - P026 - P080)	Roof Dust Collectors (P026 - P028 - P110)	
			Bldg 31 Roof	Bldg 31 Roof	Bldg 31 Roof	Bldg 31 Roof	
			Visible Emissions Y/N	Visible Emişsionş Y/N	Visible Emissions Y/N	Visible Emissions	Antina Valera
	Oper	Time		1/1/1	1/N	Y/N	Action Taken
Monday	RS	11:05	N	$\sim$	~	$\sim$	
Tuesday	G-G-	11:00	2	Ŋ	N	N	
Wednesday	66	06:1]	N	N	N	N	
Thursday	G-(-	llan	2	2	N-light out	N	
Friday	DA	3 A	7	7	N	Ж	
Saturday	SHILL	2:0042	1 NO	NO	Vo	NO	
Sunday	SHILL	3/20A12	NO	NO	NO	NO	

## SOUTH SIDE DAILY TITLE V READING BLDG.16

Week of:

6/1/2015

		:	RC #4 (P009	) Building 16	Viron #2 (P08	6) Building 16	Viron #3 (P08	6) Building 16		(P106) Building 6	CTO Stack (P102 & P103)	RC # 5 (P080)
			Baghouse 4A - DP 0.3"-4.5" H2O	Baghouse 4B - DP 0.3"-4.5" H2O	Scrubber DP >1" H2O	Scrubber Water Flow > 2 GPM	Scrubber DP >1" H2O	Scrubber Water Flow > 2 GPM	Visable Stack Emmisions	Baghouse DP 1"-4" H2O	Visable Stack Emmisions	Visable Stack Emmisions
	Oper	Time				2 31			Y/N	. ,	Y/N	Y/N
Monday	RS	11:05	1.43	3.05	Nop	NOP	6.5	2	<i>/</i> J	1,46	7	<i>X</i>
Tuesday	9	[1:00	1.67	3,10	N0P	404	ر ئ	7	N	1,47	Ŋ	لم
Wednesday	66	60.1]	1.02	2.84	NOP	NOP	4.1	2	N	1.48	N	$\hat{\lambda}$
Thursday	66	1100	1.04	3.08	0,0	٦	3.0	a	N	1,5	N	N
Friday	DA	4 A	1.04	2.96	3,0	a	3.5	چ	14	1.47	7	N
Saturday	SHILL	2:00An	,8	2.2	2,8	2	4.3	2	NO	1,5	No	NO
Sunday	SHILL	3:00 <i>A</i> M	.8	2,2	2.7	2	3,5	2	<i>N</i> 6	1,5	NO	MO

#### Ammonia Scrubber Readings P070

Week of 6-8-2015

Day	Operator	Time	Equipment Operating y/n	Recycle Flow Rate: >25gpm	Scrubber Pressure Drop: >1"	Operating within parameters y/n	ACTIONS TAKEN:
Monday 6 ზ	<u> </u>	6:55 AM	<u> </u>	34.04	1.79	Ž	
Tuesday	CC	643An	Ż	39.82	207		
Wednesday	. 55	715	<u> </u>	34.83	1.52	4	
Thursday	55	815	7	34.75	1.48	L <sub>j</sub>	
Friday	_ کک	730	<u> </u>	34.84	1.43	(/	
Saturday	DS	7AM	$\mathbb{Z} \mathbb{N}^{l}$	34,72	1,45	4	
Sunday	05	7AM	*	34,88	1,4/3	Y	

#### Nitric Acid Scrubber Readings P070

Day	Operator	Time	Equipment Operating y/n	Recycle Flow Rate: >25gpm	Scrubber Pressure Drop: >1"	Operating within parameters y/n	ACTIONS TAKEN:
Monday		6.55An	<u> </u>	27.4	10.2	Ý	
Tuesday	ر کرک	643an	4	267	103	Ý	
Wednesday	\$\$	715	. 7	26.9	18.3	<b>1</b>	
Thursday	55	815	4	26.9	103	. //	
Friday	55	230	<u> </u>	27	10.3	4	
Saturday	DS	TAM	N	26,4	10,3	7	
Sunday	<u>ns</u> .	JAM	~/	26.3	10.,3	4	

Any condition outside of the prescribed parameters need to be reported via voice mail to Tim Anglin ext. 2568, with an email followup to Group Leaders, and Superintendent ASAP \*\*\*
The equipment operating outside of parameters must be repaired as soon as possible.

North Side Daily Title V Readings Bldgs. 13, 25, 26

Week of June 8 2015

Day	Operator	Time	Building 13 Tabletting and Briquettor	Building 25 Clean Room	Misc. Mix room equipment	Action Taken
			P127	P098	P050, P051	
<u> </u>			Building 13 Roof	West Side Bldg. 25	West Side Bldg. 26	<u> </u>
			Visible Emissions	Visible Emissions	Visible Emissions	
		l	Y/N	Y/N	Y/N	
Monday	77	7	20	No	No	-
Tuesday	-the	*	20	20	No	
Wednesday	July _	_ 7	120	No	No	
Thursday	- the	- 8-	720	ou	021	
Friday	DRS	GPM	No	NO	NO	<del></del>
Saturday	31-	7A5	Mo	No	No	
Sunday	04	725	Ŋ	N	J	·

NOP = Not Operating

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Calciner Bay			7 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2			WEARING WEARING OF THE PARTY OF	The state of the s	Diopera Doron		
	-	90	5	"DC-26-02"	"DC-26-03"	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	MINION THE PROPERTY OF THE PRO			% <b>⊕</b> ″
Day	Operator	Time	Equipment	Baghouse	Baghouse	Baghouse	Bäghouse	Baghouse	Are all	ACTIONS TAKEN:
			Operating	RC#1 Draft	RC #1 Feed H.	RC #2 Draft	RC #2 Feed H.	RC #2 Discharge.	baghouses	,
			Y/N	Pressure Drop:	Pressure Drop;	Pressure Drop:	Pressure Drop:	Pressure Drop:	operating within	
<u></u>				1-5 inches H <sub>2</sub> O	1-5 inches H <sub>2</sub> O	1-6 inches H₂O	1-6 inches H <sub>2</sub> O	1-6 inches H <sub>2</sub> O	parameters Y/N	<i>.</i> .
Monday	7-74-	<u> 그</u>	JE S	<u>\.</u> 3 ,	2.2	1-21	1.016	3.6	YES	
Tuesday	Jat.	-8	£2	<u>2.2</u>	2.1	1-36	3.15	3.7	455	<del></del>
Wednesday	1	7	425	1.3	2 b	1.06	3.46	3.7	455	
Thursday	124	8	452	1.9	1.0	1.84	17.5	3.7	الحاد	
Friday	M	7	را ا	NIO	NO	1.63	1,17	3.4	Vel	<del></del> .
Saturday	Dr.	7_	Ÿ	∠ مار[	1.8	1.82	1.59	3,5	- t,	
Sunday	b.	7	И	2.6	2.2	2.29	1.55	3.5	4	<del></del>

Any condition outside of the prescribed parameters need to be reported via voice mail to Tim Anglin ext. 2568, with an email followup to Group Leaders, and Superintendent ASAP \*\*\* The equipment operating outside of parameters must be repaired as soon as possible.

North Side Daily Title V Readings Building 10

Week of JUNE 8, 2015

Day	Operator	Time	Tunnel Kiln 2	Tunnel Kiin 3	Tunnel Kiin 4	<del></del>	·	<del></del>		
			Building 10C Roof		Building 10C Roof	Blender#4	East & West Mills	PK Blender	Spin Flash Dryer	Action Taken
	<u> </u>		P100	P101	P005	East SideBuilding 10A P031		Building 10 Roof	Building 10 Roof	
			Visible Emissions	Visible Emissions	Visible Emissions	Visible Emissions	P031	P069	P094	
- :			Y/N	Y/N	Y/N i	Y/N	Visible Emissions	Visible Emissions	VIsible Emișsions	
Monday	We will	0,40					Y/N.	Y/N	Y/N.	
Monuay	1000		<u> </u>	<u>\</u>			N I	7.5		
Tueşday	RWY	1010						<u> </u>	<u>N</u>	<u> </u>
7	'(	12	<u> </u>	N		V	N	w		
Wednesday	KWP	12 PM	4.1		, <b>,</b> ,			- <del></del>		<u> </u>
-	0	030	<del>\\-</del>	<u> </u>	· <u>V</u>	$\mathcal{N}$	<i>N</i>	N	(a)	
Thursday	KWP I	830	$\mathcal{N}$	1 <sub>8</sub>	<b>N</b> 1	<b>1</b> V	и/		_ <del>`</del>	<del>_</del>
3	1.11	~	<del></del>			10		1V I	N. I	
Friday	DN 1	Sam	N. [	M	$-\lambda t$	x /	1/		<del>-   / -  </del>	
	- 1		, \	<del>- ','</del>	<del></del>	<del></del>	/V	<u>/\/</u>	11/	
Saturday	11	5001	<i>N</i>	$N \mid$	N	$\sim N_{\odot}$	$\sim$ N/ $^{-1}$	1		<del>-</del>
S	Tall	[nan]	id a	"/	<del>-  7 - +</del>	<del></del>	- I V	/\/	10	
Sunday	<u> </u>	foon	/\	/\/	/V	$\sim N - 1$	h/	-kI	· n /	
		1					10	/V	10	

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Wyssmont Drier	Baghouse	Readings
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P018

Week of 6-8-15

Day	Operator	Time	Equipment in Operation	Baghouse Pressure Drop: 1-6 inches H <sub>2</sub> 2	Operating within parameters y/n	ACTIONS TAKEN:
Monday						
Tuesday						
Wednesday						
Thursday						
Friday		<u>-</u>				
Säturday						
Sunday					-	

Any condition outside of the prescribed parameters need to be reported via voice mail to Tim Anglin ext. 2568, with an email followup to Group Leaders, and Superintendent ASAP \*\*\* The equipment operating outside of parameters must be repaired as soon as possible.

Did NOT Run. No orders to five

BASF Elyria
Battery Materials - TITLE V FILTER PRESSURE DIFFERENTIAL READINGS

Month:	June	Monday		Tuesday		Wednesday		Thursday		Fri	day	Satu	rday	Sur	nday
Year:	2015	Date: 9		Date:	10	Date:	11	Date:	12	Date:	13	Date:	14	Date:	15
		Time:		Time:		Time:		Time:		Time:		Time:		Time:	

· Equipment FEID Number and Task	(1200) (2009 (1200) (1200)	" 7. <b>yaion" "</b> (Limii: (inibar)			ोडीस्ट्राङ्गाव <u>ि</u>	Frassure Reg	Tina (miliza)	i ka na	
F11910: Check DP on PDI11119140 *	0.1 - 49.8	40.0	SNR	5NR	5NR	5,IVR	5NR	5NR	SWR
F11920: Check DP on PDI11119241 *	0.1 - 60.0	50.0 ·	1		_)	)			
F21050: Check DP on PDI11210540 *	0.1 - 49.8	40.0							
F21535 Gneck DP on PDI11215341	0.1 - 42.3	32.0							
F23010: Check DP on PDI11230140 *	0.1 - 20.0	15.0							
F23070: Check DR on PDM1230740 *	0.1 - 10.0	7.0							
F31020: Check DP on PDI11310240 *	0.1 - 49.8	40.0							
F31030: Check DP on PD/11310340.*	0.1 - 60.0	50.0							
F32015: Check DP on PDI11320141	0.1 - 42.3	32.0							
F61030: Check DP on PDI11610340	0.1 - 25.0	20.0						i	
F61090: Check DP on PDI11610940	0.1 - 40.0	30.0							
F67350; Check DP on PDT11673540	0.1 - 49.8	40.0							
F67353: Check DP on PDT11673541	0.1 - 60.0	50.0							<u> </u>
F69040: Check DP on PDI11690440	0.1 - 25.0	20.0							
F69045: Check DP on PDI11690441	0.1 - 40.0	30.0							
F70025: Check DP on PD111700249	0.1 - 42.3	32.0				<u> </u>			
F71030: Check DP on PDI11710340.*	0.1 - 20.0	15.0					<u> </u>		
F71040:: Check DP on PDI14710440 *	0.1 - 10.0	7.0							<b></b>
F41020: Check DP on PDI11410240 *	0.1 - 25.0	20.0							
F92010 Check DR on PDI11920140 *	0.1 - 25.0	20.0							
F92020: Check DP on PDI11920141 *	0.1 - 40.0	30.0	l l	<u> </u>	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \				
* Does not continuously run - demand based on sy	stem need				SNR" = System No	t Running at time o	of Delta-P inspectio	n. 	
Operator Signature:			Ru	RU	RU	RU	RU	RU	Ru

	···				ก ปียณยมหาย ระยาเอ	iagy <u>P</u> ái	នេះ ក្រុម ខ្មែរ ព្រះនេះ - [1] [គ	51.144 91.165	·					
Month: June		londay		esday	Wedne	sday		rsday	F	riday	Sa	turday	Su	nday
Year: 2015	Date: Time:	. 8	Date: Time:	9	Date: //	<u> </u>	Date: Time:	//	Date: Time:	12	Date:	/3	Date:	14
Equipment P&ID							Time.		rime:	<del></del>	Time:		Time:	
Number and Task		<del></del>	<del></del>		· —	<u>Note</u>	s/Observati	ions/Maint	enance					
CV61211-8: Unfired Sagger Stock Conveyor - Check chain for smooth action & irregularities	5	NR	5	TN R	51	1R	٢	5NR	5	NR	5	MR	5	NR
CV61211-8:Inspect below rollers for sagger wear particles(section between Filler and Slitter)														
SP61310: Make sure Slitter Knives are making adequate slits and smooth action.		A COLUMN TO THE			. (									
K64010: Visually inspect empty saggers for fine surface cracks and spalling.				-										
Littleford Mixer (2nd floor), Check purge air on Meko Shaft Seals is set at Drive & Stub = 10 psi					7									
Littleford Mixer (2nd floor), Check for material leaks.														
Empty Sagger Discharge Conveyor; 2nd floor;Check Vesibule for discharge sagger. Inspect and note														

Fuil Sagger Dischage		1		]		)			-		3-	1		<u> </u>
Conveyor (2nd floor); Check Vestibule for discharged sagger.	·													
Dosing (3rd floor): Lithium and Precursor Dosing for leaks and seal wear/fatigue.														
G70010 (4th floor): Crusher inspect belts for wear & checking.											ý			
BL 69050 on DCF69040 94th fioor): Check belts for wear and noise.					,		7.70	,						
Inside Sagger Cleaning; (4th floor) Check cleaning process for smooth action and normal timing. 3 to4 sec per motion.				,										
Did you find any leaks on equipment, hoppers, conveyors or filters during your walk about?														
If yes: Note what appartus it is, what you did to mitigated the issue, and notify Rob Coffman (Bob Urig as back).				1				<b>.</b>			:			
Operator Initials:		Zia 💮	1	Lli		ZU	P	-14	[c	Z Vi	R	U	R	.lı

#### ভিস্তান প্রাপার যিত্রি ইংক্টের্ডারিন্দ্র ইংস্ট্রান্সিট্রান্দ্র প্রাথ প্রভারতে দিবলৈ ব্যক্ত বিভাগ

and the great Art of the state of the first

Month: June	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Curaday
Year: 2015		Date: 9	Date: /o	Date: //	Date; / Z	5 /	Sunday  Date: / 9
	Time:	Time:	Time:	Time:	Time:	Time:	Time:

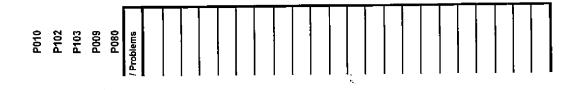
			11110	Time.	Time:	Time:	Time:
Equipment P&ID  Number and Task			Notes	/Observations/Mainte		<del></del>	
Sagger Filling/Leveling SP61120/SP61130: Clean Sensors and Clean Reflectors.	5NR	5NR			5NR	SNR	5NR
Sagger Filling / Leveling SP61120/SP61130: Check that rollers are turning in sagger Filling & Leveling Sagger Filling / Leveling							
SP61120/SP61130: Check cylinders for smoothness of stroke on units.							
Sagger Leveling SP61130: Visually inspect that saggers are being leveled.					·		
Sagger Filling SP61120: Ensure filling station is clear of excessive spillage.							
SF61112: Make sure there is air flow to the seal and seal is not leaking raw mix.							
D6980: Make sure seal doesn't fall off and empty drum as needed.							



Month:	June	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Cundou
Year:	2015	Date: g	Date: 9	Date: 10	Date: //.	Date: /2	Date: /3	Sunday Date: 19
		Time:	Time:	Time:	Time:	Time:	Time:	Time:

					· · · · · · · · · · · · · · · · · · ·	Thire.	nme;
Equipment P&ID Number and Task			Notes	/Observations/Mainte	enance		
Exit Traverser SP67020(1st Floor): Ensure Traverser is working properly	SNR	SNR		5NR	SNR	SWR	JAR
Entrance Traverser Transfer SP61510: Ensure Transverser Conveyor and Positioner is operating properly. Sagger Dumper SP67320 (4th Floor): Ensure dumper returns sagger to level							
Vacuumax Vacuum F92010 (1st floor): Check & Replace drop drum as needed							
X23021: Check that the agitator is turning on Milled Lithium Carb. Hopper on 3rd Floor Mez			:				
FI11215411: Check purge air for screw feeder flow reading on Krohne meter (3rd floor behind H21530)							
D22040: Check Reject Drop Drum (2nd floor) Lithium Mill. Note level.							

CV70040: Check rubber boots for wear (2nd floor Mezzanine Vibrating Conveyor)														
D71080:Product Mill drop drum (2nd floor behind product mill)				/					·					
CV70040: Verify that the motors are operating properly (2nd floor mezzanine vibrating conveyor)														
Did you find any leaks on equipment, hoppers, conveyors or filters during your walk about?													1	
If yes: Note what appartus it is, what you did to mitigated the issue, and notify Rob Coffman (Bob Urig as back).														·
Operator Initials:	R	U	K	ĽU.	Rl	A.	R	2U	R	M	R	'U	R	U



# SHIFT TRI-MER / VIRON SCRUBBER READINGS

Week of: 6/8/2015

WEEK OI.	0/0/2015			Viro	n PH	<u> </u>	Trì-mer Pl	- <del></del> -	Trim	ner Pressur	e Droo	Tri	mer Flow R	ates	-	Check	(X)	٦	RC #1 RC #2
					<del>-</del>					r	· • r			*****	1	Calçin	ers	-	RC #3
				Viron #2	Viron #3	Tank 1	Tank 2	Tank 3	Stage1	*	Stage 3	Stage 1	Stage 2	Stage 3	F	Routed		- 1	RC #4
				Range (6-11)	Range (6-11)	Range (10-13)	Range (10-13)	Range	Range	Range 1"-4"	Range 3"-6"	Range	Range	Range	<u> </u>	Trim	_	ᆉ	RC #5
	Shift	Oper	Time	(3-71)	(0-11)	(10-13)	(10-13)	(10-13)	0 -1.5	1 -4	3"-0"	50 MIN	50 MIN	50 MIN	1	2 3	4	5	Comments
Monday	Aridaica/5	SHILL	3ian AM	183	7/2	107	11.8	11,2	.9	7.3	37	111	107	97	V	+	Н	H	<del></del>
	7-3	SH	9:00	j1.00.	7.8	10.6	11.3	11.7	1.0	7,2	7,3	100	8	43	Ø		П	П	
6/8/2015	Alemoon	M	7PM	27	8./	10,18	11.31	11.78	97	3.09	3.24	//c	103	93	פע		П	П	
Tuesday	NISHIS	15FILL	3.Ar	83	20	10,6	[1.1	1).6	.75	2.7	3.3	110	103	43	X	$\perp$	П		
	7-3	54	800	7.0%	7.5	10.9	11.1	ما ال	<u>. ר.</u>	2.5	3.2	100	100	43	X				
6/9/2015	Attenness	m	7fm	6	6.6	10.37	11.64	11.5	.47	263	3.09	110	103	92	$\mathcal{Q}$	$\perp$		Ц	
Wednesday	_ <i>NGHT</i> S	_JHIL	3.00.AN		NOD	10.9	11.7	11.6	.4_	2,6	3.1	111	104	3	X		Щ	$\perp$	
6/10/2015	- C		4.00	NJIP	NBP	10.8	1(-1	11.6	, 27	2.4	3.02	109	103	92	X	4	Ц	Ц.	
	Afternoons	(21111	3Pm	NOP	NOT	10.79	11.68	11.63	<u>, 76</u>	2.76	3.07	110	164	92	X	_	Ш	┵	<u> </u>
Thursday	NIGHTS	SHIL	3 AM	80	9,6	10.4	דיון	ביע	4	2,4	3.01	770	104	92	X	$\perp$	Н	┝╃╸	
6/11/2015	<del>- 3</del>	Sam	9 AM	94	8.2	10.34	11.36	11-62	-54	2.87	3 5	110	103	92_		,1	╀	+	
<del></del>	Niatis	SHILL SHILL	Lem 12 ian	4.4	7.7	10.3	11.97	11.10	.57	2.06		109	1.0.3	92	$\Box$	K		+	
Friday	···	SAM C	11/4/1	8.4	6.2	,,,,,,	<i>  ,5 </i>   2_i	<del>,,, c</del>	. 41.	1.7	3.0	109		97	$\vdash$	X		+	
6/12/2015		Bir	989	<del>-0</del> .7	8.2	10.5 10.7	****	11.3		118	3.08		104	92	-	X		╬	
<del></del>	MudnishVS	he	58m	<b>B</b> . 3	10.3	10.34	11.6	10-63	19	2.19	3.07	109	104	93 93		X	┦	+	<del></del>
Saturday	7 7	1/-	3 Ain	7.12	8.1	10.4	11.10	10.7	*/	7 21	3.11	100	104	42	$\dashv$	X	$\vdash \vdash$	十	
6/13/2015	3-11	- ( <del>**)</del>	7:30.	8.3	io.U	io +	11-10	-13.7 10.0	2	2.0	3.6	100	106	43		×		╬	
Sunday	<i>U-7</i>	We	12.00~	8.3	7.6	10.48	11.46	10.92		1.66	2/2	//0	104	93	-	$\frac{x}{x}$	-	+	<del></del>
Surium	7-3	SAMS	Δ. Δ.	7.10	81	10.4	11 2	11.1.	.02	7.08	3 11	110	104	93	-	₩	H	╅	
6/14/2015	<u> 7</u> - 11	c12	108-	7.4	8.2	10.7	11.4	11-0	38	1.3	3.i	100		<del>ر ر</del> ۲۶		众	H	十	

Any condition outside of the prescribed parameters needs to be reported via voice mail to Ext. 2568 with an email followup to Tim Anglin, Group Leaders, and Superintendents ASAP \*\*\* All Equipment operation outside of parameters must be repaired as soon as possible Mark section NOP if equipment is Not Operating

## SOUTH SIDE DAILY TITLE V READING BLDG.16

Week of:

6/8/2015

			RC #4 (P009	) Building 16	Viron #2 (P08	6) Building 16	Viron #3 (P086	6) Building 16	<del>-</del>	(P106) Building 6	CTO Stack (P102 & P103)	RC # 5 (P080)
•			Baghouse	Baghouse	Scrubber	Scrubber	Scrubber	Scrubber	Visable	Baghouse	Visable	Visable
			4A - DP	4B - DP	DP	Water Flow	DP	Water Flow	Stack	DP	Stack	Stack
	Oper	Time	0.3"-4.5" H2O	0.3"-4.5" H2O	>1" H2O	> 2 GPM	>1" H2O	> 2 GPM	Emmisions Y/N	1"-4" H2O	Emmisions Y/N	Emmisions Y/N
Monday	SHILL	J. 00 AV	.8	2,2	3,1	7	2.9	کر	MO	<i>L</i> 7	Mo	NO
Tuesday	SHILL	3:00AM	1 '	2.4	1.6	7	2.8	2	NO	1,7	No	<i>M</i> 6
Wednesday	SAIL	3:00AM	18	2.2	NOD	NOP	NOD	NOS	110	1,1	NO	NO
Thursday	SALL	3;00AN	.8	2,4	2,5	21	3.6	17/	NO	1,1	No	NO
Friday	SHILL	The Park	.8	7.4	3.3	2	4,6	2	NO	NOP	NO	100
Saturday	Ore	5 Am	.9	2.2	3.4	2	6.6	2_	NO	1.49	NOP	NOP
Sunday	Qu.	12Am	1.2	2.4	3.2	2_	3,2	2	NOP	róf	NOP	ا سا

## SOUTH SIDE DAILY TITLE V READING BLDG. 31

Week of: 6/8/2015

Week of.	3/3/2013		F2 Scrubber (P024 & P026)	F1 Scrubber (P010 &P028)	Tri-mer Stack (P010 - P026 - P080)	Roof Dust Collectors (P026 - P028 - P110)	
			Bldg 31 Roof Visible Emissions Y/N	Bldg 31 Roof Visible Emissions Y/N	Bldg 31 Roof Visible Emissions Y/N	Bidg 31 Roof Visible Emissions Y/N	Action Taken
	Oper	Time					
Monday	SHILL	3:00/AIM	No	No	1170	NO	
Tuesday	SHILL	3:00AM	NO	NO	NO	NO	
Wednesday	SHIL	3:00AM	No	NO	No	NO	
Thursday	SHIL	3:00 AM	NO	No	NO	NO	
Friday	SHILL	12:00AM	LUD	ND	NO	NO	
Saturday	gre	5Am	NO	N	ro	10	
Sunday	a	12Am	10	10	NO	NO	

BASF\_114\_002127

# SOUTH SIDE DAILY TITLE V READING Bldg. 9 & 27

Week of: 6/8/2015

Trook of	0/0/2010			PK Blender (P09	9) Building 9		Horne Tabletting (P096) Building 27 Roof		. (P105) Building 7			
			Baghouse	Scrubber	Scrubber	Vísible Stack	Visible Stack	Baghouse	Visible Stack			
			Pressure Drop	Pressure Drop	Water Flow	Emissions	Emissions	DP	Emissions		tion Taken	
	Oper	Time	3"-5" H2O	>/= 2" H2O	Y/N	Y/N	Y/N	1"-4" H2O	Y/N	AÇ İ	uon raken	
Monday	54)ILL	3;@An	NOA	2,2	YES	M	No	NOW	NOD		Ì	
Tuesday	SHIL	3:00AM	3.1	2,2	YES	NO	NO	NOP	NOP			
Wednesday	SHILL	3:00AN	39	2.3	1/AS	NO		NOW	NOD	7		
Thursday	SHIL	3.00AM	NOD	NOD	NO	NO	NO	NOO	NOD			
Friday	SHILL	12:00AIL	4.5	2.3	YES	10	NO	NOP	Nos			
Saturday	Ole	SAM	4.33	2,29	1/25	NO	NO	rek	rop			
Sunday	Ou.	12pm	4.46	233	1/es	м	NO	rol	sor			

# BASF Elyria Battery Materials - TIŢLE V FILTER PRESSURE DIFFERENTIAL READINGS

Month:	June		Monday	Tues	day	Wedn		Thur	sday		day	Satu	rday	Sun	nday
Year:	2015	E	Date:	Date:	2_	Date:	3	Date:	4	Date:	5-	Date:	6	Date:	7
		T	īme:	Time:		Time:		Time:		Time:		Time:		Time:	

i Equipment PCID Number and Task	Centra Cange (mber)	AGION Limit (mlen)			العادمة المالية	Parasana Prom	ીતુલ (પ્રાહિસ્ત)	A P P TO A SANS	
F11910: Check DP on PDI11119140*	0.1 - 49.8	40.0	5NR	SNR	5 MR	5 IVR	5 MR	5NR	5NR
F11920: Check DP on PDI11119241.*	0.1 - 60.0	50.0	1	1	1			1	1
F21050: Check DP on PDI11210540 *	0.1 - 49.8	40.0							
F21535: Check DP on PDI11215341	0.1 - 42.3	32,0							
F23010: Check DP on PDI11230140 *	0.1 - 20.0	15.0							
F23070: Check DP on PDH1230740 *	0.1 - 10.0	7.0						·	
F31020: Check DP on PDI11310240 *	0.1 - 49.8	40.0						7	
F31030: Check DP on PDI11310340 *	0.1 - 60.0	50.0							
F32015: Check DP on PDI11320141	0.1 - 42.3	32.0							
F <b>61030:</b> Check DP on PDI11640340	0.1 - 25.0	20.0							
F <b>61090:</b> Check DP on PDI11610940	0.1 - 40.0	30.0							
F67350: Check DP on PDT11673540	0,1 - 49,8	40.0							
F67353: Check DP on PDT11673541	0.1 - 60.0	50.0							
F69040: Check DP on PDN 1690440	0.1 - 25.0	20.0							
F69045: Check DP on PDI11690441	0.1 - 40.0	30.0							
F70025 Check DP on PDI11700249	0.1 - 42.3	32.0							
F71030: Check DP on PDI11710340 *	0.1 - 20.0	15.0							
F71040: Check DP on PDI11710440 *	0.1 - 10.0	7.0							
F41020: Check DP on PDI11410240 *	0.1 - 25.0	20.0							
F920/10::@Heck:DP:on:PDM:1920/40.*	0.1 - 25.0	20.0							
F92020; Check DP on PDI11920141 *	0.1 - 40.0	30.0						<u> </u>	
* Does not continuously run - demand based on sy	stem need				SNR" = System Not	Running at time o	f Delta-P inspection.		
Operator Signature:			Ru	RU	RU	RU	Ru	RU	RU

The second secon					ন্দ্রহার একহারকে	ම් අවදිලි මේදා වැඩින් අවස් මේදා	(gjja 내용 (2006년 - 10 구시 : (기동 - 11 구시 :	1 <u>1.1</u>						
onth: June	nth; June Monday		Tuesday		Wednesday		Thursday		Friday		Satur		Sunday	
	Date: /	I	Date: 2		Date: 3		Date: 4		Date: 5		Date: 6		Date: 7	
	Time:	[	Time:		Time:		Time:		Time:		Time:		Time:	
Equipment P&ID  Number and Task				<del></del>	·	<u>Notes</u>	:/Observation	ns/Mainte	nance	1			<del> </del>	
V61211-8: Unfired agger Stock onveyor - Check nain for smooth ction & irregularities	<i>5</i> N	R	5N	R	5	NR	5h	VR	5A	1/2	571	VR 	5N/	<u></u>
V61211-8:Inspect elow rollers for agger wear articles(section etween Filler and litter)														-
P61310: Make sure litter Knives are naking adequate slits nd smooth action.														
(64010: Visually aspect empty aggers for fine urface cracks and palling.														
ittleford Mixer (2nd loor), Check purge air on Meko Shaft Seals is set at Drive 8 Stub = 10 psi	ć.													
Littleford Mixer (2nd loor), Check for naterial leaks.														
Empty Sagger Discharge Conveyor; 2nd floor; Check Vesibule for discharge sagger. Inspect and note														

#### াম্প্রাই শ্রিক্তির শ্রিষ্ট শ্রেক্তির প্রতিষ্ঠিত ইন্দ্রিকার হিন্দ্র স্থাপতি শ্রিক্তির স্থান শ্রেকার স্থান শ্রেকার স্থাপতি হিন্দুর স্থাপতি

ិ៍onth:	June	Mo	Monday Tuesday		esday	Wednesday		Thursday		Friday		Saturday		Sunday	
ear:	2-015-	Date:	1	Date:	2	Date:	3	Date:	7 1	Date:	5	Date:	6	Date:	7
		Time:		Time:		Time:		Time:		Time:		Time:		Time:	

E : (B015						*****	<del></del>
Equipment P&ID  Number and Task			<u>Notes.</u>	/Observations/Mainte	nance		
agger illing/Leveling P61120/SP61130: lean Sensors and lean Reflectors.	5NR	5NR	SNR SNR		5NR	SNR	5NR
agger Filling / eveling P61120/SP61130: heck that rollers are irning in sagger illing & eveling agger Filling / eveling P61120/SP61130: heck cylinders for							
moothness of stroke n units.  agger Leveling P61130: Visually spect that saggers re being leveled.							
agger Filling P61120: Ensure lling station is clear f excessive spillage.			70 1				
F61112: Make sure nere is air flow to the eal and seal is not eaking raw mix.							
16980: Make sure leal doesn't fall off and empty drum as needed.							

				Elyasi Iulisi			
			Ravision 3:	March 5, 2012			
Mary Comment			Operator Path R	लाय ६ हो सिर्ध ने अधनापद			<u>,                                      </u>
C. K. I. I.			-				
Jun	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
	Monday  Date: 6//	Tuesday  Date: 6/2-	Wednesday  Date: 3	Thursday Date: 4	Friday Date: 5	Saturday  Date:	Sunday  Date: 7  Time:

<u></u>							· .							
Equipment P&ID Number and Task						Notes/	<u>Observatio</u>	ns/Mainten	ance					
xit Traverser P67020(1st loor): Ensure raverser is working roperly	5 N	12	SNR		SNR		51	VR	5NR		5/	VR	5/	/R
ntrance Traverser ransfer SP61510: nsure Transverser onveyor and ositioner is														
perating properly. agger Dumper (P67320 (4th (loor): Ensure umper returns agger to level osition.							-							
facuumax Vacuum F92010 (1st floor): Check & Replace Irop drum as needed.														
(23021: Check that he agitator is turning on Milled Lithium Carb. Hopper on 3rd Floor Mez											·			
FI11215411: Check ourge air for screw eeder flow reading on Krohne meter (3rd loor behind H21530)														
D22040: Check Reject Drop Drum (2nd floor) Lithium Mill. Note level.														

you did to mitigated the issue, and notify Rob Coffman (Bob Urig as back).				
If yes: Note what appartus it is, what				
Did you find any leaks on equipment, hoppers, conveyors or filters during your walk about?				
- Conveyor				
the motors are operating properly (2nd floor mezzanine vibrating conveyor)				
D71080:Product Mill drop drum (2nd floor behind product mill)  CV70040: Verify that				
CV70040: Check rubber boots for wear (2nd floor Mezzanine Vibrating Conveyor)				

Wyssmont Drier Baghouse Readings

P018

Week of 6-1-15

Day	Operator	Time	Equipment in Operation y/n	Baghouse Pressure Drop: 1-6 inches H <sub>2</sub> O	Operating within parameters y/n	ACTIONS TAKEN:
Monday	DS	WAU	7	3,3	Y	
Tuesday	Cc	3.PM	У	3.3	Y	
Wednesday	D5.	iPm	Ń	3,9	Y	
Thursday	<u> </u>	750	<u> </u>	4.0.	У	
Friday	DS	7 Am	گها	4.1.	4	
Saturday	RM	1:004	, Y	4.1	У	
Sunday	55	Zam	¥	4.0	4	

North-Side Daily Title V Readings Building 10

Week of Jun€ 1, 2015

Day	Operator	Time	Tunnel Kiln 2	Tunnel Kiln 3	Tunnel Kiln 4	Plantains	<del></del>	· · · · · · · · · · · · · · · · · · ·		_
<del></del>	<u></u>		Building 10C Roof			Blender#4	East & West Mills	PK Blender	Spin Flash Dryer	Action Taken
			P100	P101	P005	East SideBuilding 10A P031	East SideBuilding 10A	Building 10 Roof	Building 10 Roof	
	<del> </del>		Visible Emissions	Visible Emissions	Visible Emissions		P031	P069	P094	
<del>;</del>	<u> </u>	1	Y/N	Y/N	Y/N	Visible Emissions	Visible Emissions	Visible Emissions	Visible Emissions	<del>-</del>
	∏ هديارا	100			, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Y/N	Y/N	Y/N	Y/N	
Monday	MA	030	n	<u> </u>	\ <u>\</u>	<u> </u>	7		11.7	
Tueşday	KWY	97	N	<u></u>	N	N	J			
Vednesday	Kur	9.43	_ N	N.	4.1			<u> </u>	<u> </u>	<del></del>
Thursday	Kup	加吧	1)	ìl		()	<u>N</u>	77	<u> N</u>	
Friday	Dul	130	—- <del>V</del>	<del></del>	Y-	<u>v</u>	— <u>k</u>	<u> </u>	N	
<del></del>		-02	N	N	<u>N</u>	N	<u> </u>	N	N	č
Saturday	171	5°21	$\frac{N}{N}$	·	N	$\mathcal{N}_{-}$	$\mathcal{N}$	N	N	
Sunday	IM	5 AN	<u> </u>	$\mathcal{N}$	N	N	N		- 1	

NOP = Not Operating

Calciner Baghouse Readings "DC-26-03" "DC-26-02" Baghouse Day Operator Time **Baghouse** Baghouse Equipmen Baghouse Baghouse Are all ACTIONS TAKEN: RC #1 Draft RC #1 Feed H. RC #2'Draft Operating RC #2 Feed H. RC #2 Discharge. baghouses Pressure Drop: Pressure Drop; Pressure Drop: Pressure Drop: Pressure Drop; operating within 1-6 inches H<sub>2</sub>O 1-5 inches H<sub>2</sub>Q 1-5 inches H<sub>2</sub>O 1-6 inches H<sub>2</sub>O 1-6 inches H<sub>2</sub>O parameters Y/N 1.8 3.6 タ・タラー 455 10.1 J. 5 Monday 7.9 1.8 1.16 5.22 45.Z Tuesday 1.0  $\rho_{\perp}$ 1.04 Wednesda 3 MO 3.6 こテ 425 1.1 18.1 3.6 4.56 3.0 Thursday 8.1 1.49 15.5 3.6 452 Friday 7.7 1.06 2.35 2.6 4ES Saturda 2.3 2.4 1.24 3-66 3.7 √∈s Sunday

North Side Daily Title V Readings Bldgs. 13, 25, 26

Week of June 1 2015

Day	Operator	Time	Building 13 Tabletting and Briquettor	Building 25 Clean Room	Misc. Mix room equipment	Action Taken
			P127	P098	P050, P051	•
			Building 13 Roof	West Side Bldg. 25	West Side Bldg. 26	
·			Visible Emissions	Visible Emissions	Visible Emissions	
			Y/N	,Y/N	Y/N	
Monday	7-4	_ 7	Ø.	No	1/2	
Tuesday	12-4-	73	No	No	No	
Wednesday	Sieth	8	20	No	No	
Thursday	1-24	. 7	130	No	No	
Friday	12	· &	No	No	No	
Saturday	1-6	7	No	No	olu	
Sunday	1 st	٦	100	No	No	

NOP = Not Operating

### Ammonia Scrubber Readings P070

Week of 6-1-2015

Day	Operator	Time	Equipment Operating y/n	Recycle Flow Rate: >25gpm	Scrubber Pressure Drop: >1"	Operating within parameters y/n	ACTIONS TAKEN:
Monday	DZ	1:00	$\nearrow$	34,678	1.51	У	
Tuesday	0	9:15pm	7	34.53	1.69	\ \ \	
Wednesday	05	2 Pm	7	34.17	1.54	4/	
Thursday	<b>5</b> 5	10 Am	Ŋ	34.69	1.87	, y	
Friday	03	8AM	2	34,70	1,68	Y'	
Saturday	DS	IOAM	7	34,91	1,54	4	
Sunday	DS	7 AM	11	34,32	1.51	14	

### Nitric Acid Scrubber Readings P070

Day	Operator	Time	Equipment Operating y/n	Recycle Flow Rate: >25gpm	Scrubber Pressure Drop: >1"	Operating within parameters y/n	ACTIONS TAKEN:
Monday	Dz	1:00	V	24.2	103	у	
Tuesday	60	9.35pm	17	26-3	10-3	Ý	
Wednesday	DS	2PM	7	26.3	10.3	Ý	
Thursday	55	10 Am	7	26.4	10,3	<u> </u>	
Friday	DS	8AM	7	الم ال	10.3	Y	
Saturday	ر ر	10 Am	4	26,5	10,3	Y	
Sunday	DS	7AM	N	26.5	10.7	Y	

5

### (\$7895) ප්රදේශ (1415) (\$275) මේ දින්න (1415) (1415) ප්රදේශ (1415)

Month:	June	Monday	<i>,</i>	Tue	sday	Wed	nesday	Thi	ırsday	F	riday	5	Saturday	<del>,                                    </del>	Sun	ıdav
Year:	2015	Date: 9	)	Date:	9	Date:	10	Date:	//	Date:	/ <u>L</u>	Date:	/ 3			/ <del>4</del>
		Time:		Time:		Time:		Time:		Time:		Time:			Time:	
	ment P&ID er and Task						Motor	·/Ohearva	ions/Mainte	nance						
	1-8: Unfired					T	Mores	DI SEI VAI	uononwanne	manice					<del></del>	
Sagger : Conveyo chain for		5/V	R	5	NR	ک.	NR	5	IVR		5NR	2	SNR	-	5N	R
CV6121 below ro sagger v particles	1-8:Inspect ollers for wear															
Slitter Ki making	0: Make sure nives are adequate slits poth action.				-											
inspect of saggers	for fine cracks and		·													
floor), C air on M	d Mixer (2nd heck purge leko Shaft set at Drive & 10 psi															
	d Mixer (2nd heck for leaks.															
2nd floo Vesibule discharg	ge Conveyor; r;Check															

Full Sagger Dischage Conveyor (2nd floor); Check Vestibule for discharged sagger.							
Dosing (3rd floor): Lithium and Precursor Dosing for leaks and seal wear/fatigue.	-						
G70010 (4th floor): Crusher Inspect belts for wear & checking.							
BL 69050 on DCF69040 94th floor): Check belts for wear and noise.					-		
Inside Sagger Cleaning; (4th floor) Check cleaning process for smooth action and normal timing. 3 to4 sec per motion.							
Did you find any leaks on equipment, hoppers, conveyors or filters during your walk about?							
If yes: Note what appartus it is, what you did to mitigated the issue, and notify Rob Coffman (Bob Urig as back).							
Operator Initials:	Ru						

19

Month:	June	Monda	ay		Tuesday		Wednesday		Thursday		Friday		Saturday		Sunday
Үеаг:	2015	Date: g	3	Date:	9	Date:	10	Date:	17	Date:	12	Date:	17	Date:	14
		Time:					Time:	Time:		Time:		Time:			

BYSEELYTE LTE で記憶が成分が成っても、2015 これの関係がある。

E : (POID I						-	
Equipment P&ID Number and Task			<u>Notes</u>	/Observations/Mainte	nance		
Sagger Filling/Leveling SP61120/SP61130: Clean Sensors and Clean Reflectors.	5NR	SNR	5NR	5NR	5NR	SNR	5NR
Sagger Filling / Leveling SP61120/SP61130: Check that rollers are turning in sagger Filling & Leveling Sagger Filling /							
Sagger Filling / Leveling SP61120/SP61130: Check cylinders for smoothness of stroke on units.							
Sagger Leveling SP61130: Visually inspect that saggers are being leveled.							
Sagger Filling SP61120: Ensure filling station is clear of excessive spillage.							
SF61112: Make sure there is air flow to the seal and seal is not leaking raw mix.							
D6980: Make sure seal doesn't fall off and empty drum as needed.							

### ভূমজন বিচ্চান এটি সংগ্রেক্তির প্রকারে এই স্থানির উল্লেখ্যয়ে ইন্সাই স্কুল্য এই স্থানির বিজ্ঞান

Month:	June	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Year:	2015	Date: &	Date: 9	Date: 10	Date: [ ]	Date: 12	Date: 23	Date: 2 14
		Time:	Time:	Time:	Time:	Time:	Time:	Time:

Equipment P&ID			<del></del> -		<del></del>	_	<del></del> .	<del></del>						
Number and Task	ļ				No	otes.	/Observati	nns/Mainte	nanca			,		
Exit Traversers 630			•	i .				onomia ma	I		Т	<del></del>	<del></del>	·
& 640 RHK(1st						i								
Floor):Ensure	50	/R	SNR		5NR		~	NR	l .	~~.0				_
Traverser is working		1	J1+1-		2101-	ļ	ر	141~	_	SIVR	-	5 IVR	51	UR .
properly														,
Entrance Traverser			4		1					<del></del> -		<del> </del>	<u> </u>	
Transfer 630 & 640			ļ		- 1		. 1			1	1	,		1
RHK: Ensure			İ		1	i	1					<b>i</b>		
Transverser			.		- 1		ľ			]				1
Conveyor and			1		1					1	'			
Positioner is Sagger Dumper		<del> </del>			<del></del>	$\dashv$	<del></del>	<u> </u>	<del> </del>		<del>                                     </del>	·		_
SP67320 (4th					1		ı					1		
Floor): Ensure					ĺ									
dumper returns			]				1				1	1		'
sagger to level					1							1		1 1
position.											<u>                                      </u>	1		
Vacuumax Vacuum								٠	1 /					
F92010 (1st floor):											1			/
Check & Replace					1								'	
drop drum as needed.							1							
									' '		Ì	1		
X23021: Check that	}	1									<u> </u>	T		
the agitator is turning	{					-	ì		1			1		
on Milled Lithium									İ				1	
Carb. Hopper on 3rd												1		
Floor Mez	<u> </u>	. 1					ļ		İ	ļ		1		
FI11215411: Check					-	$\exists$					1 /	<del></del>	<del>                                     </del>	
purge air for screw			}				ļ			1			'	
feeder flow reading							ļ	ı					1 .	
on Krohne meter (3rd											(			
floor behind H21530)	·	`	ļ		l		/						į '	1
-			·			lini	minimi.	mmmm	<del>                                     </del>		minim		illinininininininininininininininininin	amminina
D22040: Check			1											
Reject Drop Drum			1			m			3					
(2nd floor) Lithium			1							\				
Mill. Note level.						(III)			1	1	HIIIIA			
		illillillih							<u> </u>					

CV70040: Check rubber boots for wear (2nd floor Mezzanine Vibrating Conveyor)					5		
D71080:Product Mill drop drum (2nd floor behind product mill)							
cv70040: Verify that the motors are operating properly (2nd floor mezzanine vibrating conveyor)					\$		
Did you find any leaks on equipment, hoppers, conveyors or filters during your walk about?							
If yes: Note what appartus it is, what you did to mitigated the issue, and notify Rob Coffman (Bob Urig as back).							
Operator Initials:	Ru	Ru	Ru	RU	Ru	RU	RU

## SHIFT TRI-MER / VIRON SCRUBBER READINGS

	A MINON SOLODDEL VEVDIM
Week of: 6/15/2015	

Week of:	6/15/2015			•															RC #1
		14		Viro	n PH		Tri-mer Pi	1	Trim	er Pressur	e Drop	Tri	mer Flow R	Rates	ľ	Check Calcin	٠.		RC #2 RC #3
		6/2	<b>V</b>	Viron #2 Range	Viron #3 Range	Tank 1 Range	Tank 2 Range	Tank 3 Range	Stage1 Range	Stage 2 Range	Stage 3 Range	Stage 1 Range	Stage 2 Range	Stage 3	F	Routed Trim			RC #4 RC #5
				(6-11)	(6-11)	(10-13)	(10-13)	(10-13)	0"-1:5"	1"-4"	3"-6"	50 M(N	50 MIN	50 MIN	1	2 3	3 4	5	Comments
	Shift	Oper	Time													Ш		Ш	
Monday	11p-7a	Ope	12 Am	8,2	7.7	10.19		10.84	.73	1.31	302	111	104	93		$\perp \lambda$		Ш	
	7a-3p	(CS.	750	2.0	7.9	10.19	11.25	10.43	113		3.27	109	124	93		X		Щ	
6/15/2015	3p-11p	2.7	16.0	8.2	7.7	10.1	11.4	10.G	χΨ	1.8	3.2	100	100	93		X		$\coprod$	
Tuesday	11p-7a	OCC	4Am	8,2	7.7	10.64	11.29	10.96	,73	1.5	3	110	104	93		X	-	$\downarrow \downarrow$	
·	7a-3p	1 <u>5.5.</u>	9Am	8.8	7.4	102	11.3	104	19	19	3	1)0	104	93		X		$\Box$	
6/16/2015	3p-11p	36	10	NOP	8.1	10.3	11,4	11	16	1.8	3	110	104	93	<u> </u>			┵	
Wednesday	11p-7a	Ju .	3Am	MOP	8:1	10.3	11.42		,74	1.63	3.01	110		93	_	Į.	4	${}$	
	, u Op	SHILL	/OAM	, , ,	80	10,4	11,4	10,9	12	1,2	3,4	<i>]]</i>	104	93		$\sqcup$	X	₩	
6/17/2015	3p-11p	54	76~	4.05	11.05	11.3	11,5	10.7	ما	1.5	3.6	ססו	100	93	X/	$\vdash$	$\bot$	₩	
Thursday	11p-7a	He	12Am	8,2	8,1	10.95		10.78	.53	1.25	323	110	107	93	X	H	メ	$\dashv$	
	7a-3p	LZ HICE	1/AM	8.2	<u> X. )</u>	10,2	11,2	11.8	<u>,70                                    </u>	1.51	3.3	109	103	92 /	1—	<u> </u>   X	#	₩	
6/18/2015	3p-11p	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	SPM.	8.6	79	NA		1, ,	/ 2	1 7-	- 44	1-0			<del>  _</del>	- -	+	╁┼	
Friday	11p-7a	COL	3Am	813	815	10.17	12.33		,67	1.32	3.14	109	104	93	X	1	┵	₩	
014010045	7a-3p	SHILL	JOAM	ڮڮ	74	106	33	11.3	9	1,3	3.1	169	103	97	1	┵	4	┼┼	
6/19/2015	3p-11p	77	512	8.4	7.1	10.1	11.5	10.9	عا، ا	1.8	3.4	107	104	1 / /	X	$\vdash$	+	╁╂	
Saturday	11p-7a	30-	3	8,3	7.2	10.7	11.6			1.5	3.2	109	103	93	X	$\vdash \vdash$	+	₩	
6/20/2015	7a-3p	SHYL	10 An		10.9	161	141	11.7	,75	1,3		109		97	X	┼	十	╁┼	
	3p-11p	).7	5 PM		_	2.01		10.9	5	1.1	34	109	104	<del> </del>	K	$\vdash \vdash$	+	╁	
Sunday	11p-7a	SHILL	HAM	7.4	8.6	108	11.4	1113	12	15	3	109	103	93	份	┝╌┼╸	+	╁╂	<del></del>
6/21/2015	7a-3p 3p-11p	JAJU	IM	<del>। क्षु ३</del>	71	10,7	<del>  //;                                  </del>	10.7	3 2		3	MQ.	104	23	<del>                                     </del>	┟┼	+	╁┼	
0/2 1/2015	əp-11b	اک-ک	3 pm	8.6	1.7	110-1	وا ۱۱۰	107	-61	1.70	2.93	<del>HO</del>	104	<u> </u>	И	ᄔ	丄	ᆚ	

<sup>\*\*\*</sup> Any condition outside of the prescribed parameters needs to be reported via voice mail to Ext. 2568 with an email followup to Tim Anglin, Group Leaders, and Superintendents ASAP \*\*\* All Equipment operation outside of parameters must be repaired as soon as possible Mark section NOP if equipment is Not Operating

P010
P102
P103
P009
P080
/ Problems

## SOUTH SIDE DAILY TITLE V READING BLDG.16

Week of: 6/15/2015

		17	RC #4 (P009	) Building 16	Viron #2 (P08	6) Building 16	Viron #3 (P08	6) Building 16		(P106) Building 6	CTO Stack (P102 & P103)	RC # 5 (P080)
		•	Baghouse 4A · DP 0.3"-4.5" H2O	Baghouse 4B - DP 0.3"-4.5" H2O	Scrubber DP >1" H2O	Scrubber Water Flow > 2 GPM	Scrubber DP >1" H2O	Scrubber Water Flow > 2 GPM	Visable Stack Emmisions	Baghouse DP 1"-4" H2O	Visable Stack Emmisions	Visable Stack Emmisions
	Oper	Time		·-			-		Y/N		Y/N	Y/N
Monday	ge	12Am	1.3	2.4	2.5	2	3,2	2	NOP	NOP	NOP	w
Tuesday	gai	YAM	1.4	2.4	2.6	2	2.8	2	NOP	NOP	NOP	NOP
Wednesday	gh	3Am	1.4	2.4	NOP	NOP	2.6	2	NOP	NOP	NOP	NOM
Thursday	m	12Am	1.4	2.2	2.2	2	2.6	2	NOP	NOP	NO	NO
Friday	Que	-3Am	1.5	24	1.5	2	2.6	2	NOP	nos	NOS	μΟ
Saturday	BG	3 AM	2.1	2.8	2.2	2	2.5	7	NOP	NOP	NO	NO
Sunday	BG	4AM	Nop	NOP	2.3	N	2,6	2	NOP	NOP	NO	NO

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## SOUTH SIDE DAILY TITLE V READING BLDG. 31

Week of: 6/15/2015

		22	F2 Scrubber (P024 & P026)	F1 Scrubber (P010 &P028)	Tri-mer Stack (P010 - P026 - P080)	Roof Dust Collectors (P026 - P028 - P110)	
			Bldg 31 Roof Visible Emissions Y/N	Bldg 31 Roof Visible Emissions Y/N	Bldg 31 Roof Visible Emissions Y/N	Bidg 31 Roof Visible Emissions Y/N	Action Taken
	Oper	Time					
Monday	Qu.	12Am	No	NO	NO	NO	
Tuesday	Qu	YAM	N	N	NO	NO	
Wednesday	gu	3Am	NO	NO	NO	NO	
Thursday	Open	12Am	NO	NO	NO	NO.	
Friday	ger	3Am	NO	NO	NO	NO	
Saturday	BG	3 <sub>A</sub> M	NO	NO	NB	NO	
Sunday	BG	YAM	NO	ND	NO	NÓ	

Any condition outside of the prescribed parameters needs to be reported via voice mail to Ext. 2568 with an email followup to Tim Anglin, Group Leaders, and Superintendents ASAP \*\*\* All Equipment operation outside of parameters must be repaired as soon as possible Mark section NOP if equipment is Not Operating

# SOUTH SIDE DAILY TITLE V READING Bldg. 9 & 27

2225

Week of: 6/15/2015

		112		PK Blender (P099	)) Building 9		Horne Tabletting (P096) Building 27 Roof		. (P105) Building 7	
		14	Baghouse Pressure Drop 3"-5" H2O	Scrubber Pressure Drop >/= 2" H2O	Scrubber Water Flow Y/N	Visible Stack Emissions Y/N	Visible Stack Emissions Y/N	Baghouse DP 1"-4" H2O	Visible Stack Emissions Y/N	Action Taken
	Oper	Time								, total Takon
Monday	Opc	12Am	4.38	2.26	les	NO	10	NOP	NOP	
Tuesday	Onc	YAM	AOP	2,20	/es	10	NO	NO	rop	
Wednesday	m	SAM	pol	AN 2.2	Yes	NO	NO	ros	por	
Thursday	Oke	12AW	NOP	2.2	(/es	10	NO	NO	106	
Friday	m and	3A~	NOP	NOP	NOP	NOIP	NO	ref	Jan	
Saturday	BG	3 <sub>AM</sub>	NOP	NOP	NOP	NOP	NO	NOP	NOP:	
Sunday	BG	Ham	NOP	NOP	NOP	NOP	NO	NOP	NOP	

Any condition outside of the prescribed parameters needs to be reported via voice mail to Ext. 2568 with an email followup to Tim Anglin, Group Leaders, and Superintendents ASAP \*\*\* All Equipment operation outside of parameters must be repaired as soon as possible Mark section NOP if equipment is Not Operating

North Side Daily Title V Readings Building 10

Week of JUNE 15, 2015

Day	Operator	Time	Tunnel Kiln 2	Tunnel Kiln 3	Tunnel Kiln 4	Blender#4	- <u> </u>	<del></del>		
			Building 10C Roof		Building 10C Roof		East & West Mills	PK Blender	Spin Flash Dryer	Action Taken
<del>-</del>			P100	P101	P005	P031	East SideBuilding 10A	Building 10 Roof	Building 10 Roof	
			Visible Emissions	Visible Emissions	Visible Emissions	Visible Emissions	P031	P069	P094	
· ·		, f	YIN	Y/N	Y/N :	Y/N	Visible Emissions	Visible Emissions	Visible Emissions	
BH	$\mathcal{O}(\mathcal{O})$	ın.				. 1/14	Y/N	Y/N	Y/N :	
Monday	141	10gn	V	1V	_ 10	' YU	· W	W	N	
Tueśday	KINY	930	N)	N	1.7	u l	. 1			
	7 7	940		<del></del>	<del>-  </del>	——————————————————————————————————————	/	$\mathcal{N}$	N	
Vednesday	KUP		<u>V</u> ·	N	<u> </u>	N	·N	1.)	4)	
Thursday	KIN	030	N	77	7				<del> </del>	<del></del>
F-3-1	1 1/	915			<u> 70</u>	70		<u>、</u> り	N	
Friday	DIVI	0,,	/V	$\mathcal{U}$	<u> N</u>	N	LV	N	N	
Saturday	nsexton	8 D	n!		14:	1/	1.4	<del>!-</del>	:	<del></del>
Sunday	D. N	X 24	$\mathcal{U}$							
Junuay	DIM	٠, ا		//	N	N	M	1/1	- 11	

NOP = Not Operating

Calciner Baghouse Readings

\*DC-26-03"

AAGEK OI G 10 12

Day	Operator	Time	Equipment	Baghouse	Baghouse	Baghouse	Baghouse	Baghouse	Are all	ACTIONS TAKEN:
			Operating	RC #1 Draft	RC #1 Feed H.	RC #2 Draft	RC #2 Feed H.	RC #2 Discharge.	baghouses	
			Y/N	Pressure Drop:	Pressure Drop;	Pressure Drop:	Pressure Drop:	Pressure Drop:	operating within	•
<u> </u>				1-5 inches H <sub>2</sub> O	1-5 inches H <sub>z</sub> O	1-6 inches H₂O	1-6 inches H <sub>2</sub> O	1-6 inches H <sub>2</sub> O	parameters Y/N	
Monday	1226	דַ	457	١. ٤	3.2	1.40	1.95	3.5	455	
Tuesday		8	425	5.1	1.8	1.55	3.25	3.6	YES	
Wednesdey	Jitte	ス	<b>₹€</b> \$	2.2	1.3	1.48	کی۔ ٹار	3.7	462	
Thursday	tul	7	455	1.9	1.0	1.71	3.49	3.5	YES	
Friday	DW	9	4KS	2.2	2.0	1-32_	347	3.5	YKS	
Saturday ,	Ma	1	y.	2,5	2,2	1,58	3.87	3,5	Thu	
Sunday_	T. 1.	7	452	1.586	<b>\$</b> 2.(	1.56	3.61	3.5	UYES	

## North Side Daily Title V Readings Bldgs. 13, 25, 26

Week of 6-15-15-

Day	Operator	Time	Building 13 Tabletting and Briquettor	Building 25 Clean Room	Misc. Mix room equipment	Action Taken
			P127	P098	P050, P051	
		•	Building 13 Roof	West Side Bldg. 25	West Side Bldg. 26	
			Visible Emissions	Visible Emissions	Visible Emissions	
			Y/N	Y/N	Y/N	
Monday	15-16-	٦	ΝΌ	०८	100	
Tuesday	-the.	8	No	No	20	-
Wednesday	Lite	٦	20	No	No	
Thursday	late-	٦	No	20	かり	
Friday	NOT	9	No	NO	NO	
Saturday	Mer	1	m	IN	M	
Sunday	1=#_	. 7	No	No	No	

NOP = Not Operating

Wyssmont Driei	Baghouse	Readings
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P018

Week of	•

Day	Operator	Time	Equipment in Operation y/n	Baghouse Pressure Drop: 1-6 inches H <sub>2</sub> O	Operating within parameters y/n	ACTIONS TAKEN:
Monday				~ (··		
Tuesday				Perating 53.		
Wednesday				Peral		
Thursday	<u> </u>		1001			
Friday		J.F.	الما	,		
Saturday	· (					
Sunday			'			

### Ammonia Scrubber Readings P070

Week of 6-15-15

Day	Operator	Time	Equipment	Recycle Flow	Scrubber	Operating within	ACTIONS TAKEN:
				Rate: >25gpm		parameters	
-		_	y/n		>1"	y/n	
Monday	20	6-50 AM	7	34.36	1.79	Y	
Tuesday		10:15AN	\ \Y	34.39	1.17	Y	
Wednesday	CC	11:30AM	N	34.28	1.70	Ý	
Thursday		(	Λ			/	
Friday			1				
Saturday							
Sunday				<u> </u>			

### Nitric Acid Scrubber Readings P070

Day	Operator	Time	Equipment Operating y/n	Recycle Flow Rate: >25gpm		Operating within parameters y/n	ACTIONS TAKEN:
Monday	CC	6.50AM	7	27.0	10.3	y	
Tuesday	ČC	10:15Am	M	26.8	10.3	V	
Wednesday	CC	11:30AM	N	26.2	10.3	. 4	
Thursday			N	OP			
Friday			1	OP		·	,,,
Saturday			1	OP			
Sunday			N	04			

#### BASTEMBUS Bevstor Leves 18,206 Charte Caro Canta - Tole to Su

Month:	June		onday	Tı	ıesday	Wedn	esday		rsday	F	riday	Sa	turday	S	unday
Year:	2015	Date:	15	Date:	16	Date:	17	Date:	13	Date:	17	Date:	20	Date:	21
		Time:		Time:		Time:		Time:		Time:		Time:		Time:	

Equipment P&ID				'	<u>-</u>		
Number and Task			Notes	/Observations/Mainte	nance		
Sagger Filling/Leveling SP61120/SP61130: Clean Sensors and Clean Reflectors.	5NR	SNR	5NR	5NR	5NR	SIR	SNR
Sagger Filling / Leveling SP61120/SP61130: Check that rollers are turning in sagger Filling & Leveling Sagger Filling /							
Leveling SP61120/SP61130: Check cylinders for smoothness of stroke on units.							
Sagger Leveling SP61130: Visually inspect that saggers are being leveled.							
Sagger Filling SP61120: Ensure filling station is clear of excessive spillage.							
SF61112: Make sure there is air flow to the seal and seal is not leaking raw mix.							
D6980: Make sure seal doesn't fall off and empty drum as needed.				2.			

BASF\_114\_002165

### **BASE Styne uls** Revision at June 12, 3045 Ouesta Oc 10 fourcis i en 10 four

Month:	Jane	Monday	Tuesday	/ Wednesday	Thursday	Friday	Saturday	Sunday
Year:	2015	Date: 15	Date: 16	Date: /7	Date: 18	Date: / 9	Date: 2.6	Date: 2./
		Time:	Time:	Time:	Time:	Time:	Time:	Time:

Equipment P&ID	<del></del>	<del>.</del>					
Number and Task			Notes	:/Observations/Mainte	manco	•	
Exit Traversers 630 & 640 RHK(1st Floor): Ensure Traverser is working properly	5NR	SNR	SNR	SNR	SNR	SNR	SNR
Entrance Traverser Transfer 630 & 640 RHK: Ensure Transverser Conveyor and Positioner is							
Positioner is Sagger Dumper SP67320 (4th Floor): Ensure dumper returns sagger to level position.							
Vacuumax Vacuum F92010 (1st floor): Check & Replace drop drum as needed.							
X23021: Check that the agitator is turning on Milled Lithium Carb. Hopper on 3rd Floor Mez							
FI11215411: Check purge air for screw feeder flow reading on Krohne meter (3rd floor behind H21530)							
D22040: Check Reject Drop Drum (2nd floor) Lithium Mill. Note level.							

		<del>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</del>	 			 					450 to 1,2
CV70040: Check rubber boots for wear (2nd floor Mezzanine Vibrating Conveyor)											
D71080:Product Mill drop drum (2nd floor behind product mill)											
CV70040: Verify that the motors are operating properly (2nd floor mezzanine vibrating conveyor)											
			 <del>-</del>				 				
Did you find any leaks on equipment, hoppers, conveyors or filters during your walk about?						<del>,</del>					
If yes: Note what appartus it is, what you did to mitigated the issue, and notify Rob Coffman (Bob Urig as back).											
Operator Initials:	R	N	RU	R	N	RU	Ru	R	И	R	И

### BASF Elyab Lib Revision 3: lune 19, 2013 Ogesas: congressions - og sid se 7 sid

Month:	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Year:	Date: 15	Date: /6	Date: 17	Date: / 8	Date: /9	Date: 20	Date: 21
""F 1 BOYS	Time:	Time:	Time:	Time:	Time:	Time:	Time:
Equipment P&ID  Number and Task	1		. Notes	/Observations/Mainte	manco		
CV61211-8: Unfired Sagger Stock Conveyor - Check chain for smooth action & irregularities	SNR	5NR	SNR	5NR	5NR	SNR	SNR
CV61211-8:Inspect below rollers for sagger wear particles(section between Filler and Slitter)					:		
SP61310: Make sure Slitter Knives are making adequate slits and smooth action.							
K64010: Visually inspect empty saggers for fine surface cracks and spalling.	,		•				
Littleford Mixer (2nd floor), Check purge air on Meko Shaft Seals is set at Drive & Stub = 10 psi	k						
Littleford Mixer (2nd floor), Check for material leaks.							
Empty Sagger Discharge Conveyor; 2nd floor;Check Vesibule for discharge sagger. Inspect and note							

Full Sagger Dischage Conveyor (2nd floor); Check Vestibule for discharged sagger.							
Dosing (3rd floor): Lithium and Precursor Dosing for leaks and seal wear/fatigue.							
G70010 (4th floor): Crusher Inspect belts for wear & checking.		* * * * * * * * * * * * * * * * * * *					
BL 69050 on DCF69040 94th floor): Check belts for wear and noise.							
Inside Sagger Cleaning; (4th floor) Check cleaning process for smooth action and normal timing. 3 to4 sec per motion							
Did you find any leaks on equipment, hoppers, conveyors or filters during your walk about?	*						
If yes: Note what appartus it is, what you did to mitigated the issue, and notify Rob Coffman (Bob Urig as back).	;						
Operator Initials:	RU	RU	RU	RU	RU	RU	RU

### SHIFT TRI-MER / VIRON SCRUBBER READINGS

Neek of:	6/22/2015																_		RC #1	P010
				Viro	n PH		Tri-mer Pl	.	Trim	er Pressure	e Drop	Tric	ner Flow R	ates	С	heck	(X)	ı	RC #2	P102
				VII.0			.11-11101 1 1	•				.,,,			C	alcin	ners	1	RC #3	P103
				Viron #2	Viron #3	Tank 1	Tank 2	Tank 3	Stage1	Stage 2	Stage 3	Stage 1	Stage 2	Stage 3	R	oute	d to	- 1	RC #4	P009
				Range	Range	Range	Range	Range	Range	Range	Range	Range	Range	Range	_	Trim	er		RC #5	P080
				(6-11)	(6-11)	(10-13)	(10-13)	(10-13)	0"-1.5"	1"-4"	3"-6"	50 MIN	50 MIN	50 MIN	1 2	2 3	4	5	Comments/	Problems
	Shift	Oper	Time													1				_
Monday	Night	136-	5 AM	7.7	8.6	10.8	12.1	162	17	1,2	3	io <sup>e</sup> L	104	93	X					
Moura	Day	5#14	10AM	8.1	7,8	10.4	12,1	11	:85	1,1	3	110	104	93	X					
6/22/2015	Afternoon	5.5	500	Ř	71	189	11,8	10.8	1.2		(2.3)	109	194	93	X					
Tuesday	Night	Bij	IAM	8.(	8.2	10.7	11.9	10.9	.4	1,2	211	104	104	93	X					
1062023	Day	SHILL	ΛKOĮ	8.5	8.0	10.7	11.4	n.t	٠,	111	<b>7</b> i	109	104	93	X					
6/23/2015	Afternoon	5.5.	50m	<b>B</b> .(	7.9	10.5	117	11.4	. <i>7</i> 4	1.4 (	(2.3)	109	104	57	X					
Nednesday	Night _	Bù-	AM	NOP	NOP	NOP					سخت				Ш	┸		Ц		
Negliess	Day .	55	12an	NOO	1000	NOP									Ц	┸		Ц		
6/2 <u>4/2015</u>	Afternoon	5.3.	50h	100	Nol	NOG	<del></del>							<del></del>	Ш	$\perp$		Ц		
Thursday	Night	B6-	2411	NOP		NUP							<del></del> -		Ц	┸		Ц		
	Day	ne	DAM	NOT	NOP	NOP										┸		Ц		
6/25/2015	Afternoon	SHILL	10 DM	100	COU	1/00									$\vdash$	┫_		Ц		
Friday	Night	an	Mm	not	refo	rte									H	+	上			
,	Day	Den	8An	NOP	NOP	NOP						-				+	Ł	Н		
6/26/2015	Afternoon	SHILL	10 AV	NON	NOD	<i>lol</i>										+	┢			
Saturday	Night	<u> </u>	ika	N F	NV	MO	_										1	Ц		
Jaron	Day -	Me	12Pm	NOT	NOT	10		<u> </u>							Ц	_	L	Ц	<u> </u>	
6/27/2015	Afternoon	SHILL	DIM	NON	NOS	NO()										+	낟	団		
Sunday	Night	S'. C	IAn	1/00	1/00	Joh		<u> </u>							Ħ	‡	$\perp$	Ц		
	Day	he	28 m	rol	NOT.	108										_ _	L	Ц		
6/28/2015	Afternoon	<i>とくりい /</i>	in m	אמ/ג	95	11/20		<del></del>	<b></b>				<b></b>	+	+	1		П		

Any condition outside of the prescribed parameters needs to be reported via voice mail to Ext. 2568 with an email followup to Tim Anglin, Group Leaders, and Superintendents ASAP \*\*\*

All Equipment operation outside of parameters must be repaired as soon as possible

Mark section NOP if equipment is Not Operating

#### SOUTH SIDE DAILY TITLE V READING BLDG.16

Week of: 6/22/2015

			RC #4 (P009	) Building 16	Viron #2 (P08	ŝ) Building 16	Viron #3 (P086) Building 16 National Dryer (P106) Building 16			CTO Stack (P102 & P103)	RC # 5 (P080)	
			Baghouse 4A - DP 0.3"-4.5" H2O	Baghouse 4B - DP 0.3"-4.5" H2O	Scrubber DP >1" H2O	Scrubber Water Flow > 2 GPM	Scrubber DP >1" H2O	Scrubber Water Flow > 2 GPM	Visable Stack Emmisions	Baghouse DP 1"-4" H2O	Visable Stack Emmisions	Visable Stack Emmisions
	Oper	Time		-					Y/N		Y/N	Y/N
Monday	BG	5 <sub>AM</sub>	NOP	NOP	3,(	2	3,3	2	NO	NOP	NO	NO
Tuesday	B6-	lam	wop	NOP	2.2	2	3,2	2	NO	NOP	NO	NO
Mednesday	BG	2AM	NOP	NDP	NOP	NOP	NOP	NOP	NO	NOP	NO	NO
Thursday	BG	2AM	NOP	NOP	NOP	NOP	NOP	NOP	NO	NOP	NS	vd
Friday	Ou	4Am	NOP	pol	NOP	NOP	NOP	NOP	NO	NOP	NO	NO
Saturday	SANS	1 Am	2:12	2.37	NOP	NOP	MOP	NOP	No	3.4	Nο	No
Sunday	SANG	1 AM	1.89	רהו	NOP	Nop	Nop	NOP	No	3.9	NO	Νđ

#### SOUTH SIDE DAILY TITLE V READING BLDG. 31

Week of: 6/22/2015

			F2 Scrubber (P024 & P026)	F1 Scrubber (P010 &P028)	Tri-mer Stack (P010 - P026 - P080)	Roof Dust Collectors (P026 - P028 - P110)	
			Bldg 31 Roof Visible Emissions Y/N	Bldg 31 Roof Visible Emissions Y/N	Bidg 31 Roof Visible Emissions Y/N	Bidg 31 Roof Visible Emissions Y/N	Action Taken
	Oper	Time					
Monday	BG-	5 <sub>AM</sub>	NO	_ wo	NO	NO	
Tuesday	<b>3</b> 6	lam	NO	$\sim$ 0	NO	NO	
Wednesday	B6-	2AM	NO	NO	NO	NO	
Thursday	BC	ZAM	NO	NO	NO	NO	
Fugay	In	4Am	No	مر	10	NO	
Saturday	\$5.	/ Am	No	NO	ND	NO	
Sunday	6.5.	IAM	No_	No	No	NO	

### SOUTH SIDE DAILY TITLE V READING Bldg. 9 & 27

Week of: 6/22/2015

				PK Blender (P099	) Building 9		Horne Tabletting (P096) Building 27 Roof	Gravity Bed Sep	. (P105) Building 7	
			Baghouse	Scrubber	Scrubber	Visible Stack	Visible Stack	Baghouse	Visible Stack	
			Pressure Drop 3"-5" H2O	Pressure Drop >/= 2" H2O	Water Flow Y/N	Emissions Y/N	Emissions Y/N	DP 1"-4" H2O	Emissions Y/N	Action Taken
	Oper_	Time						<b>1</b>		
Monday	BG	5 AM	mop	NOP	NO	NO	NO	NOP	NOB	
Tuesday	BG	CAM	NOP	NOP	NO	NO	NO	NOP	NOB	
Wednesday	BG	2AM	NOP	NOP	NO	NO	NO	NOP	NO	
Thursday	OC	2AM	NOP	NOP	NO	NO	NO	NOP	NO	
Friday	ale	yam	NOP	NOP	NO	10	No	NOP	ND	
Saturday	55	I Am	NOP	NOP	No	NO	Nο	NOP	NS	
Sunday	5.5.	1.Am	Nop	NOP	No	No	NO	NOP	NO	

North Side-Daily Title V Readings Building 10

Week of June 22, 2015

Day	Operator	Time	Tunnel Kiln 2	Tunnel Kiln 3	Tunnel Kiln 4	Blender #4	East & West Mills	PK Blender	Spin Flash Dryer	Action Taken
			Building 10C Roof	Building 10C Roof	Building 10C Roof	East SideBuilding 10A	East SideBuilding 10A	Building 10 Roof	Building 10 Roof	Accon Taken
	<u>  ·                                     </u>		P100	P101	P005	P031	P031	P069	P094	:
<del></del>	<del>-</del>		Visible Emissions	Visible Emissions	Visible Emissions	Visible Emissions	Visible Emissions	Visible Emissions	Vîsible Emissions	
	<u> </u>	<u> </u>	Y/N	Y/N	. Y/N <sup>†</sup>	Y/N	Y/N	Y/N	Y/N	<del> ^ · - · - · - · - · - · - · - · -</del>
Молday		930	Ŋ	Ŋ	7	N	N	N	N	
Tueşday	KINP	1030	N	Ŋ	N	N	, N	N	N	
Wednesday	RW	1100	V	N	. W	V	N	N	V	
Thursday	KUP	8,30	<u>i</u>	72	2		Ŋ	2	NI	
Friday	KWP	1000	N.	N	N	N	N	N	72	
Saturday	TA	50PM	N	. N	N	N	N	N	N	
Sunday	TM	6°AM	: N	N.	N	N	N	N	N	

IOP = Not Operating

#### North Side Daily Title V Readings Bldgs. 13, 25, 26

Week of 6. 22.15

Day	Operator	Time	Building 13 Tabletting and Briquettor	Building 25 Clean Room	Misc. Mix room equipment	Action Taken
	-		P127	P098	P050, P051	<del></del> -
			Building 13 Roof	West Side Bldg. 25	West Side Bldg. 26	
			Visible Emissions	Visible Emissions	Visible Emissions	
			Y/N	Y/N	Y/N	
Monday	1-4	~ 3°	No	No	No	
Tuesday	Jath_	7	No	No	No	-
Wednesday	-the lea	. 7	No	20	No	
Thursday	1 th	7	No	No	No	
Friday	12	7	ou	où	150	
Saturday	124-	730	10	26	No	
Sunday	12	730	20	No	NO	<u>-</u>

NOP = Not Operating

Calciner Baghouse Readings

"DC-SG-02" "DC-SG-03"

Week of<u>とんみ・15</u>

								,		
Day	Operator	Time	Equipment	Baghouse	Baghouse	Baghouse	Baghouse	Baghouse	Are all	ACTIONS TAKEN:
ı			Operating	RC #1 Draft	RC #1 Feed H.	RC #2 Draft	RC #2 Feed H.	RC #2 Discharge.	baghouses -	
			Y/N	Pressure Drop:	Pressure Drop;	Pressure Drop;	Pressure Drop:	Pressure Drop:	operating within	
			<u> </u>	1-5 inches H <sub>2</sub> O	1-5 înches H₂O	1-6 inches H <sub>2</sub> O	1-6 inches H <sub>2</sub> O	1-6 inches H <sub>2</sub> O	parameters Y/N	
Monday	1777	73	452	1.5	1.1	1.65	7 78	3.6	455	
Tuesday	777	٦,	LES	1.6	1.0	1.81	3.76	3.5	YES	
Wednesday	17	٦	455	2.0	1.0	1.03	, 4,35	3.6	455	-
Thursday	Litte	7	VES	1.8	1.0	1.26	3.58	ما. 3	455	
Friday	ساسلا	7	452	1.8	1.0	1.74	4.38	3.7	√₹ S	
Saturday	The	حرك	VES	2.5	1.3	1.68	2.5%	3.6	234	
Sunday	7		425	2.6	1-0	1.61	3.32	3.7	4=5	<del></del>

#### Wyssmont Drier Baghouse Readings

P018

Week of 6-22-15

Day	Operator	Time	Equipment In Operation y/n	Baghouse Pressure Drop: 1-6 inches H <sub>2</sub> O	Operating within parameters y/n	ACTIONS TAKEN:
Monday						
Tuesday				QKS		
Wednesday	·		ار در د	Line		
Thursday	·		y of			
Friday		01				
Saturday						
Sunday						

#### Ammonia Scrubber Readings P070

Week of 6-22-2015

Day	Operator	Time		Recycle Flow Rate: >25gpm	Scrubber Pressure Drop: >1"	Operating within parameters y/n	ACTIONS TAKEN:
Monday			7	Q			
Tuesday			NO				
Wednesday			$\mathcal{N}_{\mathcal{N}}$	9 1			
Thursday			No	P			
Friday			N	$\mathcal{L}$			
Saturday			10	Ph			
Sunday				01			

#### Nitric Acid Scrubber Readings P070

Day	Operator	Time	Equipment	Recycle Flow	Scrubber	Operating within	ACTIONS TAKEN:
	l i		Operating	Rate: >25gpm	Pressure Drop:	parameters	
			y/n	·	>1"	y/n	
Monday		_	NC	) <del>(</del> )			
Tuesday			N.	, עו			
Wednesday			$\sim$	د ر			
Thursday			. No	PP			
Friday			, V	of			
Saturday			Ň	OP			
Sunday			N.	OP			

BASF Elyria
Battery Materials - TITLE V FILTER PRESSURE DIFFERENTIAL READINGS

Month: June Year: 2015	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Tear: 2015	Date: 22	Date: 23	Date: 2.4	Date: 25	Date: 26	Date: 27	Date: 28
	Time:	Time:	Time:	Time:	Time:	Time:	Time;

Binjiman, 15310 (Indiparant, 1947	(කුඩෝ   දුළුවේද  මෝසමාග්ම	Z-Xellon Liniis (mben)		and the second s	Direiania	්සිලෙන්ගුල දිදෙ	che (nite)	មាន ការបំណើម មិន ការប្រកាសប្រកាសប្រកាសប្រ ក្រុមប្រកាសប្រកាសប្រកាសប្រកាសប្រកាសប្រកាសប្រកាសប្រកាសប្រកាសប្រកាសប្រ ការប្រកាសប្រកាសប្រកាសប្រកាសប្រកាសប្រកាសប្រកាសប្រកាសប្រកាសប្រកាសប្រកាសប្រកាសប្រកាសប្រកាសប្រកាសប្រកាសប្រកាសប្រក	The state of the s
F11910: Check DP on PDI11119140 *	0.1 - 49.8	40.0	5NR	5NR	5NR	5NR	5NR	5NR	5NR
F11920: Check DP on PD(11119241 *	0.1 - 60.0	50.0		1	)	1	)		2010
F21050: Check DP on PDI11210540 *	0.1 - 49.8	40.0						<del></del>	
F21535: Check DP on PDI11215341	0.1 - 42.3	32.0						· ·	<del></del>
F23010: Check DP on PDI11230140 *	0.1 - 20.0	15.0							
F23070; Check DP on PDM1230740 *	0.1 - 10.0	7.0							<del></del>
F31020: Check DP on PDI11310240 *	0.1 - 49.8	40.0							<del></del>
F31030:: Check DP on PDL113/10340 *	0.1 - 60.0	50.0			-	<del>-   -</del>		<del>-  </del>	<del></del>
F32015: Check DP on PDI11320141	0.1 - 42.3	32.0				<del>-                                    </del>		<del></del>	
F61030: Check DP*on PDI11610340	0.1 - 25.0	20.0				<del></del>		<del></del>	<del></del>
F61090: Check DP on PD(11610940	0.1 - 40.0	30.0				<del></del>	<del></del>		
F67350: Check DP on PDT41673540	0.1 - 49.8	40.0			<del></del>		<del>                                     </del>	<del>-  </del>	
F67353: Check DP on PDT11673541	0.1 - 60.0	50.0							<del></del>
F69040: Check DPfon PDI11690440	0.1 - 25.0	20.0			<del></del>	-		_	<u> </u>
F69045: Check DP on PDI11690441	0.1 - 40.0	30.0				<del>-  </del>	<del></del>		<del>-  </del> -
<b>F70025:</b> Check DP on P0111700249	0.1 - 42.3	32.0					<del>-</del>	<del></del>	
F71030: Check DP on PDI11710340 *	0.1 - 20.0	15.0		· ·		<del></del>	<del>                                     </del>		·
F71040: Check DP on PDI 1710440 *	0.1 - 10.0	7.0			1			·	<del>-   -</del>
F41020: Check DP on PDI11410240 *	0.1 - 25.0	20.0			_/			<del></del>	<del>-   -</del>
<b>F92010::</b> Check DP::on PD#11920140 *	0.1 - 25.0	20.0				<del>   </del>	<del>                                     </del>	<del>`</del>	<del></del>
F92020: Check DP on PD(11920141 *	0.1 - 40.0	30.0			<del></del>		<del>-   -  </del>	<del> </del>	_ +
* Does not continuously run - demand based on sys	stem need			"8	NR" = System Not	Running at time o	f Delta-P inspection	<del>, }</del>	
Operator Signature:			Ru	RU	Ru	Ru	RU	Ru	RU

# BASF Elyria Battery Materials - TITLE V FILTER PRESSURE DIFFERENTIAL READINGS

Month: June Year: 2015	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Tear: 2015	Date: 16 Time:	Date: 17	Date: /e	Date: 19	Date: 2c	Date: 2.	Date: 2.2
	Tittle:	Time:	Time:	Time:	Time:	Time:	Time:

මුලාබලාලයේ පිදින්ම (Younderrend) බිදුන්ද	(श.सन्धात्तु) स्हित्त्व्व (लिन्स्त)	/ Gion (Limit (mben)		The state of the s	Differential		নীন্ত (ক্ৰেছেচ)	angaran da anganggang agam da angaran da angaran da angaran da angaran da angaran da angaran	
F11910: Check DP on PDI11119140 *	0.1 - 49.8	40.0	SNR	SNR	SNR	5NR	SNR	5NR	
F11920; Check DP on PDI11119241 *	0.1 - 60.0	50.0	1		1	3.70)~		3///	SNR
F21050: Check DP on PDI11210540 *	0.1 - 49.8	40.0		<del>                                     </del>					<del>- ) -</del>
F21535: Check DP on PDI11215341	0.1 - 42.3	32.0		<del>                                     </del>	<del>- /</del>				
F23010: Check DP on PDI11230140 *	0.1 - 20.0	15.0		<del>                                     </del>			<del>   -  </del>		
23070: Check DP on PDH 1230740 *	0.1 - 10.0	 7.0				<del></del>	<del></del>		
31020: Check DP on PDI11310240 *	0.1 - 49.8	40.0	1				<del></del>		
31030: Check DP on PDI11310340 *	0.1 - 60.0	50.0		<u> </u>					
-32015: Check DP on PDI11320141	0.1 - 42.3	32.0		<del>                                     </del>					<del></del>
61030: Greek DP on PDI11610340	0.1 - 25.0	20.0				<del>- + -</del>	<del>   -  </del>		
61090: Check DP on PDI11610940	0.1 - 40.0	30.0						<del>-</del>	
67350: Check DP on PDT11673540	0.1 - 49.8	<del></del>			<del></del>	<del>-</del> + +	<del>-  -  </del>		<del></del>
67353: Check DP on PDT11673541	0.1 - 60.0	50.0	7						
69040 Check DP on PDI11690440	0.1 - 25,0	20,0		<del>                                     </del>			<del>  -  </del>		<del>`</del>
69045: Check DP on PDI11690441	0.1 - 40.0	30.0					<del>-   -  </del>	<del></del>	<del>-  </del>
70025: Check:DP on PD111700249	0.1 - 42.3	32.0		<del>                                     </del>			<del>-                                      </del>		<del></del>
71030: Check DP on PDI11710340 *	0.1 - 20.0	15.0		† <del>-  </del>					<del>-                                    </del>
71040: Check DP on PDI11710440 *	0.1 - 10.0	7.0		<del>                                     </del>		<del>-  </del> -	<del>-                                    </del>	<del></del>	<del>/-</del>
41020: Check DP on PDI11410240 *	0.1 - 25.0	20.0			<del>-   -</del>	<del>-/-</del> -	<del></del>	<del>/- </del>	<del></del>
92010: Check DP on PDH1920140 *	0.1 - 25.0	20.0			<del>- / - </del>	<del>-/</del> -	<del>-                                    </del>	<del></del>	<del></del>
92020: Check DP on PDI11920141 *	0.1 - 40.0	30.0			_/_		<del>/</del>		-+-
Does not continuously run - demand based on sys	item need			"S	NR" = System Not	Running at time of	Delta-P inspection		}
perator Signature:			Ru	RU	RU	RU	RU	Ru	RU

#### SHIFT TRI-MER / VIRON SCRUBBER READINGS

Week of:	6/2 <b>9</b> /2015		_															_	RC #1	P010
				Viro	n PH		Tri-mer Pl	1	Trim	er Pressure	e Drop	Tri	mer Flow R	ates			k (X)		RC #2	P102
															٩	) alci	ners		RC #3	P103
				Viron #2	Vîron #3	Tank 1	Tank 2	Tank 3	Stage1	Stage 2	Stage 3	Stage 1	Stage 2	Stage 3	R	oute	d to		RC #4	P009
				Range	Range	Range	Range	Range	Range	Range	Range	Range	Range	Range	_	Trin	_	- -	RC #5	P080
				(6-11)	(6-11)	(10-13)	(10-13)	(10-13)	0"-1.5"	1"-4"_	3"-6"	50 MIN	50 MIN	50 MIN	1 2	2 3	4	5	Comments/	Problems
	Shift	Oper	Time												Ц	1	Ш	_		
Monday	Night	SAMS	lan	Noe	NOP	NOB	-	_	_	_		_			Н	+	$\coprod$	_		
Monday 6/26/ 6/22/2015	Day	Je-	7Am	M	not	rol						_			<b>!-</b> -	+	$\sqcup$	_		
<del>6/22</del> /2015		SHILL	9 pm	NOD		MOD.									⊨	¥	11	_		
Tuesday	Night	S Ang-	) AM	NP	8.1	1000	-			_					Н	+	$\sqcup$	_		<del></del>
Tuesday 6130 <del>6/23</del> /2015	Day	Re	8/10	No	7.6	NOP	_	<del>-</del>	_	_					Н	+	Н	_		
<del>-0/23</del> /2015		SHILL	7 <i>0</i> N	NeV	7.8	NOF									ፗ	7		┰	<u>~</u>	
Wednesday	Night	SAMS	i' <i>Affi</i>	NW	7.4	NSP									Н	+	44	- -		
1 111		<u> </u>	27.4	NE	7.7	No	_								Ħ	#	$\Box$			
<del>8/24</del> /2015	Afternoon	SHILL	6.0	NIIS	7.7	MAA								-	Ħ	#	$\Box$	$\Box$	· ———	
Thursday	Night	جاج)	1130	19 <del>60</del>	~~~	-146									Ħ	+	Н			
6/25/2015	Day	₿Ġ		NOG	8	NOP	<u> </u>	_	_	. <b>حب</b>				$\vdash$	H	+	₩			
26/26/2015		Ju .	Om	/40/	29	NO/									₩	+	+	4		
Friday	Night	19G-G-	1/pn	NO0	الأدا	7300		_							₩	+	+			
7/3	Day	BG-	101'	NOP	7.8	NOP				-	_			_	₩	+	+			
<del>6/2</del> 6/2015		3,55	10/m	NOP	8.10	- A			-						╀┼	+	+			
Saturday	Night	SHILL	12.AM		10.1	$\mu \rho \rho$		<u> </u>	<del> </del>				<del></del>		##	丰	Ŧ	∄		
6/27/2015	Day Afternoon	514	1213000		85	Hol							<b>-</b>		<b>†</b> †	Ŧ	Ŧ	$\blacksquare$		
		JSH:LL	10 Pm	NOT	8:1	NOP	<del>-</del>								╂┼	+	+	+		
Sunday	Night	, .	3AM		8.0								<del> </del>		茸	$\pm$	士			<del></del>
	Day Afternoon	S 13	8:00	NO	NOP	NOT			_						1-+	Ŧ	F	Ħ		
2012015	Aitemoon	1 800	SIN	NOV	1001	Vuo_			L						Ш			Щ		

Any condition outside of the prescribed parameters needs to be reported via voice mail to Ext. 2568 with an email followup to Tim Anglin, Group Leaders, and Superintendents ASAP \*\*\* All Equipment operation outside of parameters must be repaired as soon as possible Mark section NOP if equipment is Not Operating

8.1 data plled from Sev.

#### SOUTH SIDE DAILY TITLE V READING BLDG.16

Week of: 6/24/2015

	•		RC #4 (P009	) Building 16	Viron #2 (P08	6) Building 16	Viron #3 (P08	6) Building 16		(P106) Building 16	CTO Stack (P102 & P103)	RC # 5 (P080)
			Baghouse 4A - DP 0.3"-4.5" H2O	Baghouse 4B - DP 0.3"-4.5" H2O	Scrubber DP >1" H2O	Scrubber Water Flow > 2 GPM	Scrubber DP >1" H2O	Scrubber Water Flow > 2 GPM	Visable Stack Emmisions	Baghouse DP 1"-4" H2O	Visable Stack Emmisions	Visable Stack Emmisions
	Oper	Time							Y/N		Y/N	Y/N
Wouqsy	SAMS.	1 Am	196	2.97	Nop	NOP	NOP	NOP	ИЭ	3,9	No	\NS
Tuesday	SAM	IAM	218	2.76	NOP	NOP	NOP	NOP	No	36	ND	NO
Wednesday	FAMS	] AM	2.32	2.94	NOP	NOP	NOP	NOP	NB	3.9	No	GV
Thursday	GC	(1:30)	2.59	3.01	NOP	NOP	NOP	Nor	NO	200	NO	NO
Friday	66-	Um	2,66	271	NOP	401	2.1	2	NO	2.99	NO	NO
Saturday	SHILL	17 AM	1,8	2,2	MOP	NOD	216	2	MO	NOD	NO	100
Sunday	SHILL	3 Am	MOD	NOW	NOD	NOD	4,4	2	No	NOD	NO	100

#### SOUTH SIDE DAILY TITLE V READING BLDG. 31

Week of: 6/2**7**/2015

			F2 Scrubber (P024 & P026)	F1 Scrubber (P010 &P028)	Тлі-mer Stack (Р010 - Р026 - Р080)	Roof Dust Collectors (P026 - P028 - P110)	
			Bldg 31 Roof	Bldg 31 Roof	Bidg 31 Roof	Bldg 31 Roof	
			Visible Emissions	Visible Emissions	Visible Emissions	Visible Emissions Y/N	Action Taken
	Oper	Time	Y/N	Y/N	Y/N	1/N .	Action Taken
Wouqsy	SAMS	l Am	No	No	No	No	
Tuesday	SAME	1 Am	No	No	No	No	
Wednesday	SAMS	i AM	No	NO	ΝD	ND	
Thursday		11:4000	NO	ND	pop	A)h	
Friday	(66	llon	120	NO	K	BN	
Saturday	SHILL	12 AM	NO	ΔD	NO	WD	
Sunday	SHILL	3AM	NO	ND	NO	ND	

### SOUTH SIDE DAILY TITLE V READING Bldg. 9 & 27

Week of: 6/27/2015

·	•			PK Blender (P099	)) Building 9		Home Tabletting (P096) Building 27 Roof		Sep. (P105) ing 27	
			Baghouse Pressure Drop	Scrubber Pressure Drop	Scrubber Water Flow	Visible Stack Emissions	Visible Stack Emissions	Baghouse DP	Visible Stack Emissions	
ı	Oper	Time	3"-5" H2O	>/= 2" H2O	Y/N	Y/N	Y/N	1"-4" H2O	Y/N	Action Taken
Monday		Tille		: (	1 45					
	SANS	j Am	NOP	NOP	No	ND.	NO	NOP	Na	
Tuesday	SANS_	1 Am	NOP	NOP	No	No	No	Nop	NO	
Wednesday	Shina	) Am	NDP	NOP	No	NO	No	NOP	ND	
Thursday		(હિંદ	700	nop	400	NO	NO	NOS	NO	
Friday	G( <del>,</del> -	lla	4001	NOD	NOP	NO	NO	NOP	NO	
Saturday	SHIL	12AM	NOD	NOD	NOP	ND	NO	NOD	NO	·
Sunday	SHILL	BAM	NOD	NOD	NA	NO	60	NOP	NO	

					Dı	ust c	ollec	tors	- Reti	ırn to	GL	once	she	et co	mple	te			
			#1	#1	#2	#2	#3	_#3	#7	#7	#8	#8	Vertical	Vertical	сто	сто	National Dryer	National Dryer	PK Blender
Date	Shift	Operator	Pressure drop ("H2O)	Drum Level*	Pressure drop ("H2O)	Drum Level*	Pressure drop ("H2O)	Drum Level*	Pressure drop ("H2O)	Drum Level*	Pressure drop ("H2O)	Drum Level*	Pressure drop ("H2O)	Drum Level*	Pressure drop ("H2O)	Drum Level*	Pressure drop ("H2O)	Drum Level*	Drum Level*
612912015		Орегасог																	
		Rotolock on?**	Υc	or N	Υo	r N	Υc	r N	Υc	or N	Υc	or N	Υc	or N	Υ¢	or N	Υ	or N	Y or N
613012015																			
		Rotolock on?**		rN	Υo	Ø			Υc	(N)	Υc	or(N)		or(N)	Y		<b>(2)</b>	or N	YoN
71112015	3-1)	SHILL	ΝοΔ	3/4	NOA	1/4	2.6	1/4	NOI)	\$1/4	7.	1/2	3.5	1/2	NOD	1/2	211	3/4	MIT
		Rotolock on?**	/ <sub>Y 0</sub>	or N	Yo	r N	Y	or N	/ Y 6	or N	Υc	or N	Υd	or <b>N</b>	/ Y (	or N	Y	or N	Y or N
71212015		Rotolock											_						
	- 100 FEE 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	on?**	Y (	or N	Υc	r N	. Y c	or N	Υœ	n_N	Υd	or N	Υc	or N	Υd	or N	Υ (	or N	Y or N
71312015		Rotolock														·			
		on?**	Y		Υc		Ø			л (Ñ)	Υc	or (N)			Ø	T .		1 (b)	YON
71412015	11-7	S#LL Rotolock	MOP	1/4	NOD	,	3.0	1/2	NOP	1/4	7	1/2	3.8	3/4	<i>~</i> 4,9	3/4		3/4	M/T
		on?***	Y	3/	Υc	(N)	_	7 N	1 .		Y 0	or(N)		or <b>Ø</b>	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	or N	(A)	or N	Y o(N)
715/2015	11-7	SHILL	Moff	14	NOD	1/4	3,1	3/4	NOP	1/4	7	1/2	3,6	3/4	-41,9	1/4	1.8	3/4	MT
		on?**	Υ¢	or N	<b>'</b> Y c	r N	Y	or N	Y	or N	Υd	or N	Υd	or N	Υd	or N	Υ	or N	Y or N

If pressure drop across any of the dust collectors increases a large amount or is increasing day after day, this may indicate a problem is present. Alert engineer or group leader

<sup>\*</sup>If drum level has not increased at all since the previous day, alert group leader/leadman to investigate. Change out drums as necessary and label.

<sup>\*\*</sup>If rotolock is not turning, alert group leader/leadman immediately. Dust collector can fill up and pack if rotolock is not on 🗲 CHANGEO DREM

Once p	er wee	k	F1/F2 S	Scrubber Che	cksheet - Ret	urn to GL on	ce sheet con	plete
			F1 Demister	F1 Packing	F1 Blower	F2 Demister	F2 Packing	F2 Blower
		_	Pressure drop (*H2O)	Pressure drop ("H2O)	Pressure drop ("H2O)	Pressure drop ("H2O)	Pressure drop ("H2O)	Pressure drop ("H2O)
Date	Shift	Operator						(1120)
617512075								
612212015								
612912015	3-11	Stice	2.6	/	15	.0(	,20	3.46
71612015								
711312015								
712012015								
712712015				-				
81312015								
8/10/2015								

If pressure drop across any of the three spots increase a large amount or is increasing week after week, this may indicate a problem is present. Alert engineer

BASF Elyria
Battery Materials - TITLE V FILTER PRESSURE DIFFERENTIAL READINGS

Month: June   July Year: 2015	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Tear: 2.015	Date: 2-7	Date: 30	Date: 1	Date: 2_	Date: 3	Date: 4	Date: 5
<u> </u>	Time:	Time:	Time:	Time:	Time:	Time:	Time:

	Operating Redge	Line	100 BEST 100	n n	10 - 12 - 10 - 10 - 10 - 10 - 10 - 10 -			Company of the second of the s	a di sang managan a di sang a managan a gi sang a managan
्रित्राणी जातन स्वति विभिन्न स्वति । विद्या	(mixed)	(intail)			<u>Differential</u>	Hesenc ke	office (miser)	en hatelet is. Earline is value to the last	
F11910: Check DP on PDI11119140 *	0.1 - 49.8	40.0	5NR	SNR	SNR	SNR	5NR	5NR	SNR
F11920: Check DP on PDH 1/1/1924/1 *	0.1 - 60.0	50.0		1	<u> </u>	<u> </u>			ĺ
F21050: Check DP on PDI11210540 *	0.1 - 49.8	40.0							
F21535: Gheck DP+on PD1/1/21/5341	0.1 - 42,3	32.0							
F23010: Check DP on PD111230140 *	0.1 - 20.0	15.0							
F2307036heckiDPion:PDI11230740 *	0.1 - 10.0	7.0							
F31020: Check DP on PDI11310240 *	0.1 - 49.8	40.0				.			-
F34030: Check DP:on/PDIN/13/10340 *	0.1 - 60.0	50.0						<del>                                     </del>	<del>- +</del>
F32015: Check DP on PDI11320141	0.1 - 42.3	32.0					<del>                                     </del>		
F61030xt@neck\BP*on:PBI41640340	0.1 ~ 25.0	20.0				<del></del>	<del>                                     </del>		
F61090: Check DP on PDI11610940	0.1 - 40.0	30,0		-		_	<del>                                     </del>		
F67350::Check DB on:PB/T11673540	0.1 - 49.8	40.0			<del></del>			1 }	
F67353: Check DP on PDT11673541	0.1 - 60.0	50.0					<del>                                     </del>	<del>                                     </del>	
F69040 Check DP ion PD///1690440	0.1 - 25.0	20.0					<del>                                     </del>		
F69045: Check DP on PDI11690441	0.1 - 40.0	30.0			-	<del>-  </del>	<del>                                     </del>		
E70025: Check BP on PD 1/1/700249	0.1 - 42.3	32.0				<del></del>	<del>  </del>		
F71030: Check DP on PDf11710340 *	0.1 - 20,0	15.0					<del>  </del>		
F71040 Check BP*on PDI1/17/10440 *	0.1 - 10.0	7.0					<del> </del>		<del></del>
F41020: Check DP on PDI11410240 *	0:1 - 25.0	20.0					<del>                                     </del>	<del>                                     </del>	
E92010::Cneck@Pion/RDH4920140:*	0.1 - 25.0	20.0		<del>-  </del>	<del>-</del>	<del>-  </del>	<del>-</del> -	<del>                                     </del>	
F92020: Check DP on PDI11920141 *	0.1 ~ 40.0	30.0		<del>-  </del>	<del>                                     </del>	<del></del> -	<del>                                     </del>	<del>                                     </del>	/_
* Does not continuously run - demand based on sys			<u> </u>		NR" = System Not	: Running at time o	of Delta-P inspectio	in .	/
Operator Signature:			Ru	Ru	Ru	Ru	Ru	Ru	RU

## BASF Elyria Battery Materials - TITLE V FILTER PRESSURE DIFFERENTIAL READINGS

Month: July	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Year: 2015	Date: 6	Date: 7	Date: 😝	Date: 9	Date: 10	Date: //	Date: /-
	Time:	Time:	Time:	Time:	Time:	Tíme:	Time:

Boulement P310 Nomber and Tayl:	opezung Sgust (redict)	Litti				And the second s		and the second of the second o	ر المستورية المستورة المستورة المستورة المستورة المستورة المستورة المستورة المستورة المستورة المستورة المستورة المستورة المستورة الم
F11910: Check DP on PDI11119140 *	0.1 - 49,8	(mban). 40.0	SNR	5NR	5 M/C	Pressure Re	<u> </u>	5NR	SMR
F1/1920:: Check DP:on:PDI3/1/1/92/1/ *	0.1 - 60.0	50.0		7	1	7/0/2	3707-	)	3/4/5
F21050: Check DP on PDI11210540 *	0.1 - 49.8	40.0			<del>                                     </del>	<del>-  </del>	<del> </del>	<u> </u>	<del>                                     </del>
F21535 Gheck DP&on PD/11/21/5344	0,1 - 42.3	32,0					<del>                                     </del>		<del></del>
F23010:: Check: DP on PDI11230140 *	0.1 - 20,0	15.0			<del>                                     </del>	<del>  </del>	<del>                                     </del>		<del>                                     </del>
F23070:: Check*DR::on:RDJ:#1230740:*	0.1 - 10.0	7.0			†				
F31020: Check DP on PDI11310240 *	0.1 - 49.8	40.0					<del></del>		
F31030# Check*DP*om PDM 13#0340**	0.1 - 60.0	50.0				<del>  -   -</del>			
F32015: Check DP on PD111320141	0.1 - 42.3	32.0							<del> </del>
F61030: Check DP on PD14610340	0.1 - 25,0	20.0							<del>                                     </del>
F61090: Check DP on PDI11610940	0.1 - 40.0	30.0							<del></del>
F67350: Check DR on PDT 11673540	0.1 - 49.8	40.0							<del>  </del>
F67353: Check DP on PDT11673541	0.1 - 60.0	50.0					<del></del>		· · · · · ·
E69040 : Check DP:on PDM1690440	0.1 - 25.0	20.0							
F69045: Check DP on PDI11690441	0.1 - 40.0	30.0				<del></del>			
F70025: Check DPson PDM 1700249:	0.1 - 42.3	32.0				-	<del></del>	<del></del>	<del>  </del>
F71030: Check DP on PDI11710340.*	0.1 - 20.0	15.0					<del>   </del>	<del></del>	
F7.1040;:Check DP on P0 1147410440)*	0.1 - 10.0	7.0							
F41020: Check DP on PDI11410240 *	0.1 - 25.0	20.0							
E92010 Check DR on RO H1920440 F	0.1 - 25.0	20.0				-			
F92020; Check DP on PDI11920141 *	0.1 - 40.0	30.0	V		<del>                                     </del>			1	
* Does not continuously run - demand based on sys	stem need			ıı(	SNR" = System Not	t Running at time o	l of Delta-P inspection		<u>'</u>
Operator Signature:			Rn	Ru	RN	Ru	Ru	RU	Ru

# 

Month: Jung/Jun	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Year: 2015	Date: 🟂 21	Date: 30	Date: (	Date: Z_	Date: 3	Date: Y	Date: 5
	Time: .	Time:	Time:	Time:	Time:	Time:	Time:

Equipment P&ID	<del></del> -				<u> </u>									
Number and Task						Notes	:/Ohean:	ations/Mainte	22222					
Exit Traversers 630 & 640 RHK(1st Floor):Ensure Traverser is working properly	5	SNR SNR					5MR	SNR		SNR		SNR		
Entrance Traverser Transfer 630 & 640 RHK: Ensure Transverser Conveyor and	·													
Positioner is Sagger Dumper SP67320 (4th Floor): Ensure dumper returns sagger to level position.								1						
Vacuumax Vacuum F92010 (1st floor): Check & Replace drop drum as needed.														
X23021: Check that the agitator is turning on Milled Lithium Carb. Hopper on 3rd Floor Mez	1							·						
FI11215411: Check purge air for screw feeder flow reading on Krohne meter (3rd floor behind H21530)														
D22040: Sample Drop Drum (2nd floor) Lithium Mill. Remove contents.														

CV70040: Check rubber boots for wear (2nd floor Mezzanine Vibrating Conveyor)													
D71080:Sample Product Mill drop drum (2nd floor behind product mill). Remove contents.													
CV70040: Verify that the motors are operating properly (2nd floor mezzanine vibrating conveyor)								1			-		
Did you find any leaks on equipment, hoppers, conveyors or filters during your walk about?									,				
If yes: Note what appartus it is, what you did to mitigated the issue, and notify Rob Coffman (Bob Urig as back).													
Operator Initials:	RU	R	u	R	.u	RI	<del>\</del>	R	N	R	U	RU	<b>,</b>

and which is the contract of the second of t

Month: July	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Year: 2015	Date: 29	Date: 30	Date:	Date: Z	Date: 3	Date: 4	Date: 5
<u></u>	Time:	Time:	Time:	Time:	Time:	Time:	Time:

BASE ELME UE - ERWINSE Revelou Et 2009 30 2015 - Control of the Co

Emilement DOID		<del></del>					
Equipment P&ID Number and Task			Notes/0	Observations/Mainter	nance		
Sagger Filling/Leveling SP61120/SP61130: Clean Sensors and Clean Reflectors.	2NB	5NR	5NR	5NR	SNR	SNR	SINR
Sagger Filling / Leveling SP61120/SP61130: Check that rollers are turning in sagger Filling & Leveling Sagger Filling /							
Sagger Filling / Leveling SP61120/SP61130: Check cylinders for smoothness of stroke on units.							
Sagger Leveling SP61130: Visually inspect that saggers are being leveled.							
Sagger Filling SP61120: Ensure filling station is clear of excessive spillage.	1						
SF61112: Make sure there is air flow to the seal and seal is not leaking raw mix.							
D81020: Finished Pkg - Mag. Sep. Drop Drum: Sample drum & Remove contents.						·	

BASF BlydellB - FRACTOR Redsien Educ 19, 2015 Joseph Day

Month: ゴー・/ ゴーム	N	Monday	Tu	esday	We	dnesday	Thu	rsday	Fric	daγ	Saturo	lay	Sur	nday
Year: ZPIS	Date:	37	Date:	30	Date:		Date:	Ž	Date:	7	Date: 4		ک :Date	
	Time:		Time:		Time:		Time:		Time:		Time:		Time:	
Equipment P&ID Number and Task	:	•				Mata-	/Ohnores	ana/Maint	anana.		•			·
			1		<del></del>	Notes	Observat	ions/Mainte	enance 				<u> </u>	
CV61211-8: Unfired Sagger Stock		-110		10		- 0							_	
Conveyor - Check		TNR	5	NR.		5MR	-	TUR	2	NR	57	15	ر د	NR
chain for smooth						i	:		Ì					
action & irregularities		1	•							. 1				
CV61211-8:Inspect		ነ	1			```		1	-			<u> </u>	<del>                                     </del>	•
below rallers for		}	'	1		<i>[</i> ,		· 1				1		1
sagger wear particles(section						'						}		
between Filler and														-
Slitter) {		<u> </u>												
SP61310: Make sure	7	•		· <del></del>								7		
Slitter Knives are	<b> </b>			·		` <b> </b>						- 1		
making adequate slits								- 1				- 1		1
and smooth action.	]		ļ						,			- 1		1
	+ +		<del> </del>	<u> </u>		<del></del>	<b> </b>	+-						+
K64010: Visually								1				- 1		
inspect empty saggers for fine							1	1	1	1		- 1		1
surface cracks and										1		- 1		1
spalling.		1						1		1				
Littleford Mixer (2nd														
floor), Check purge			<u> </u>							1		1		1
air on Meko Shaft						ł		]						1
Seals is set at Drive & Stub = 10 psi	1 1				1	1						1		[
Otab - 10 pai		<del></del>	<del>                                     </del>		<del> </del>	-		1	<del>                                     </del>					<del>                                     </del>
Littleford Mixer (2nd						1								
floor), Check for											1	1		
material leaks.											1	1		
Empty Sagger		·										1		•
Discharge Conveyor; 2nd floor;Check	\					<b>[</b> -			-	-:	'- ,	<u>.</u>		
Vesibule for				,		1	1				/		•	
discharge sagger.	]	.1				[	;				/			
Inspect and note	1 '	V	I \ <sub>\</sub>					l						

Wyssmont Drier Baghouse Readings

P018

Week of 6-29-2015

2 $^{\prime}$ 

Day	Operator	Time	Equipment in Operation y/n	Baghouse Pressure Drop; 1-6 inches H <sub>2</sub> O	Operating within parameters y/n	ACTIONS TAKEN:
Monday :						
Tuesday	1			$\overline{\wedge}$		
Wednesday						
Thursday						
Friday		i	1 1/4	_		
Saturday				-		
Sunday						

Ammonia Scrubber Readings P070

Week of 6-29-15 Co

. Day	Operator	Time	Equipment	Recycle Flow	Scrubber	Operating within	ACTIONS TAKEN:
1		,	Operating	Rate: >25gpm	Pressure Drop: >1"	parameters	•
•			`y/n			y/n	
Monday							
Tuesday			1	j			
Wednesday							
Thursday							
Friday							
Saturday			1		<b>,</b>		
Sunday						,	

#### Nitric Acid Scrubber Readings P070

Day	Operator	Time	Equipment Operating y/n	Recycle Flow Rate: >25gpm	Scrubber Pressure Drop: >1"	Operating within parameters y/n	ACTIONS TAKEN:
Monday							
Tuesday				. [			
Wednesday					f		
Thursday	,						
Friday		-					
Saturday							
Sunday							

Calciner Baghouse Readings

Week of 6 . 29 - 15

"DC-26-02" "DC-26-03"

Day	Operator	Time	Equipment	Baghouse	Baghouse	Baghouse	Baghouse	Baghouse	Are all	ACTIONS TAKEN:
			Operating	RC #1 Draft	RC #1 Feed H.	RC #2 Draft	RC #2 Feed H.	RC #2 Discharge.	baghouses	
 		l	Y/N	Pressure Drop:	Pressure Drop;	Pressure Drop:	Pressure Drop:	Pressure Drop:	operating within	
		*:		1-5 inches H₂O	1-5 inches H₂O	1-6 inches H <sub>2</sub> O	1-6 inches H₂O	1-6 inches H <sub>2</sub> O	parameters Y/N	
Mionday	1:77	730	425	2.3	1.0	(-83	2.47	3-7	2 3 ∤	
Tuesday	15		YES	1.9	1.0	1.88	3 .93	3 - 7	YE 2	
Wednésday	1-4-	_~	NO/4	ES NOP	NOP	2.33	3.80	3.7	YES	
Thursday		7	$rf_{f}^{l}$	hol	No 8	1.58	3.60	3, 8	Ý	,
Friday	D/-	7_	p/+	Moe	NOS	2, 23	3.52	3.8	· 1	
	AS.	715	No	NOP	NOP.	377	2.29	38	yes	
Sunday	As	705	No	NOP	NOP	(0,02	(0.01)	(0.0)	yes	

#### North Side Daily Title V Readings Bldgs. 13, 25, 26

Week of 6-29.15

Day	Operator	Time	Building 13 Tabletting and Briquettor	Building 25 Clean Room	Misc. Mix room equipment	Action Taken
<del></del>			P127	P098	P050, P051	
			Building 13 Roof	West Side Bldg. 25	West Side Bldg. 26	
		_	Visible Emissions	Visible Emissions	Visible Emissions	
			Y/N	Y/N	.Y/N	
Monday	1-4-	7 30	No	No	No	
Tuesday	Latte		No	20	No	
Wednesday	124	7	2	No	No	
Thursday	DV	7	٥ لم	NO	NO	
Friday	Dr	7	٧	Ŋ	$\mathcal{N}$	
Saturday	43	715	No	No	No	
Sunday	AS	705	NO	No	No	

NOP = Not Operating

North Side Daily Title V Readings Building 10

Neek of 6-29-15

Day	Operator	Time	Tunnel Kiln 2	Tunnel Kiln 3	Tunnel Kiln 4	Blender #4	East & West Mills	PK Blender	Spin Flash Dryer	Action Taken
<del></del>	<u> </u>		Building 10C Roof	Building 10C Roof	Building 10C Roof	East SideBuilding 10A	East SideBuilding 10A		Building 10 Roof	Action racein
			P100	P101	P005	P031	P031	P069	P094	
· · ·			Visible Emissions	Visible Emissions	Visible Emissions	Visible Emissions	Visible Emissions	Vīsible Emissions	Visible Emissions	
		<u> </u>	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	YAN	
Monday	DV	8AM	N	_ N	N.	<b>N</b> /	1/	^/	N	-
Tuesday	DW	1230	N	N	N.	N	N	n	N	
<u>Wednesday</u>	TM	400	N	N	N	N	N	N	N	
Thursday	TM	53	ν	$\mathcal{N}$	7	N	N	2	N)	
Friday	TM.	350	N.	N	2	N	N	N	N	
Saturday	TM	600	N	N	N	N	N	N	N	
Sunday	TPI	330	$\mathcal{N}$	$\mathcal{N}$	$\mathcal{O}$	Ŋ	N	N	N)	· · ·

IOP = Not Operating